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Ohio Labor Market Information

Labor Market Review

July 1988

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.9 percent in June to 5.3 percent in July. This represents the lowest unemployment rate in Ohio since October 1978. The national rate was 5.4 percent, about the same as the 5.3 percent for June. The number of unemployed Ohioans fell 33,000, to 279,000, while total employment, at 4,973,000, was up 14,000. Seasonally adjusted nonagricultural wage and salary employment rose 8,000 from June, to 4,690,000 in July. (See page 3.)

Factory Employment. Ohio's manufacturing employment, at 1,100,000 in July, was unchanged from June. Employment in durable and nondurable goods remained the same as in June, 737,000 and 363,000, respectively.

Nonmanufacturing. Nonmanufacturing employment in Ohio increased 7,000 from June, to 3,590,000 in July. Retail trade employment rose 3,000, while services gained 2,000 jobs. Construction, wholesale trade, and finance, insurance, and real estate had small increases; however, government declined 1,000.

Over the Year. The number of jobless workers in Ohio decreased 87,000 from July 1987 to July 1988, lowering the unemployment rate from 7.0 percent to 5.3 percent. The U.S. rate fell from 6.0 percent to 5.4 percent during the same period. Nonagricultural payroll employment in Ohio was up 123,000 from July 1987. Most of the increase occurred in nonmanufacturing industries, especially services (+40,000) and retail trade (+26,000). Construction also recorded a significant increase of 15,000. Mining, down 1,000, was the only division to lose employment. Manufacturing employment advanced 18,000 over the year. Durable-goods employment was up 13,000, while nondurable-goods employment rose 5,000.

Factory Hours and Earnings. The average weekly earnings of factory production workers in Ohio dropped $17.21 from June, to $504.56 in July. Their average workweek of 42.4 hours was .9 hours shorter. Most industries had lower hours and earnings in July. The most notable were motor vehicles and equipment, metal forgings and stampings, iron and steel foundries, and miscellaneous plastics products.

Benefits and Costs. There were 51,819 initial claims filed under the Ohio Unemployment Compensation Law in July, up 28.7 percent from June, but down 34.4 percent from July 1987. Total benefits paid, at $36.1 million, declined 14.8 percent. The average benefit check of $149.40 was $2.84 lower. The average weekly number of benefit recipients dropped 5.5 percent, to 57,831. At the end of July, there were 200,528 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Grace Kilbane, Acting Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 38,482 new job applicants in July, down 4.8 percent from June, and down 13.6 percent from July 1987. There were 18,228 job openings received from employers, up 20.9 percent from June, but down 10.5 percent from July 1987. The Employment Services Division made 31,082 referrals and 9,816 placements.

Bank on OBES

Are you having difficulty locating the workers you need? You might be able to solve this problem by putting your job openings in the National Job Bank System through the Ohio Bureau of Employment Services.

A few facts about the National Job Bank System:

* It is part of the largest computerized network of job openings in the United States.
* It operates on three levels to fill your need for workers: locally, statewide, and interstate-wide.
* It can provide national exposure of your job order without cost to you.

For further information, contact your nearest OBES office.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1988	Jun. 1988	Jul. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,252	5,271	5,252	-19	0	-0.4	0.0
Employment	4,973	4,959	4,886	14	87	0.3	1.8
Unemployment	279	312	366	-33	-87	-10.6	-23.8
Unemployment Rate	5.3	5.9	7.0				
Employer Survey Data[e]							
Total	4,690	4,682	4,567	8	123	0.2	2.7
Manufacturing	1,100	1,100	1,082	0	18	0.0	1.6
Durable Goods	737	737	725	0	13	0.1	1.7
Nondurable Goods	363	363	358	0	5	-0.0	1.5
Nonmanufacturing	3,590	3,582	3,484	7	106	0.2	3.0
Mining	20	20	21	0	-1	0.0	-2.9
Construction	192	191	176	1	15	0.6	8.8
Transportation and Public Utilities	209	209	207	0	2	0.1	1.1
Wholesale Trade	256	256	249	1	8	0.4	3.1
Retail Trade	873	870	847	3	26	0.3	3.1
Finance, Insurance and Real Estate	251	250	244	1	7	0.2	3.0
Services	1,094	1,092	1,054	2	40	0.2	3.8
Government	694	694	686	-1	8	-0.1	1.1
Goods Producing Industries[f]	1,312	1,311	1,280	1	33	0.1	2.6
Service Producing Industries[g]	3,378	3,372	3,287	6	91	0.2	2.8

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1986
5,200	4,777	423	8.1	7.0	July
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
				1986
4,472	1,108	751	357	July
4,481	1,107	750	357	August
4,484	1,098	742	356	September
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,552	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,654	1,104	739	365	January
4,665	1,102	737	365	February
4,667	1,096	732	364	March
4,667	1,099	736	363	April
4,673	1,099	736	362	May
4,682	1,100	737	363	June
4,690	1,100	737	363	July

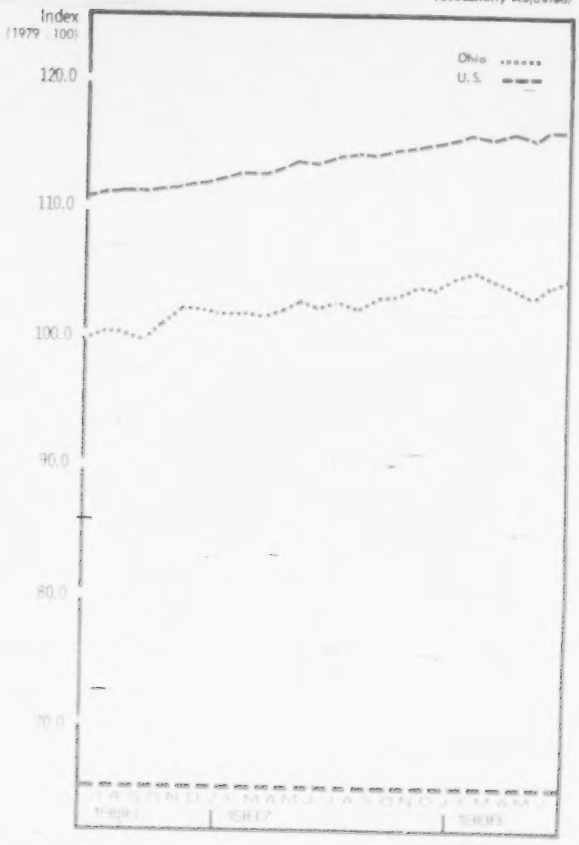
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

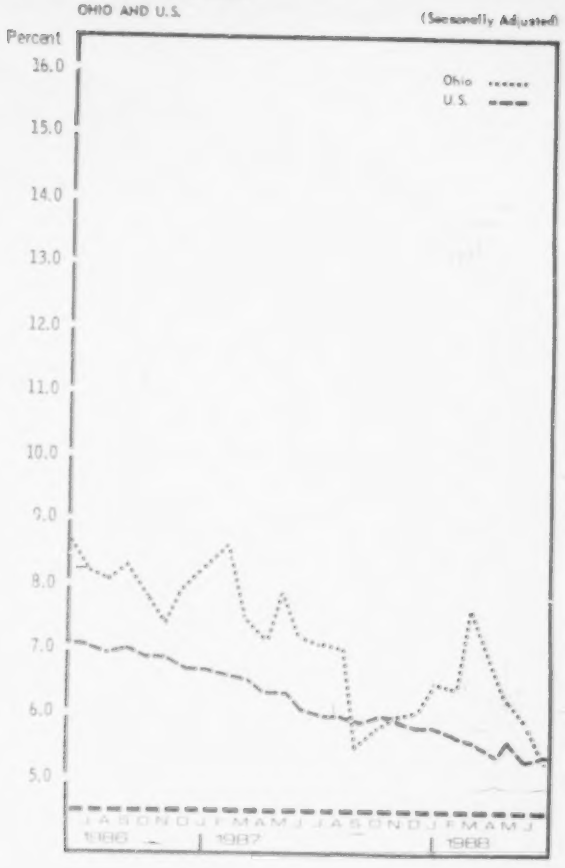
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1986				
3,364	22	160	204	244	July	820	233	1006	676
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,590	20	192	209	256	July	873	251	1094	694

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

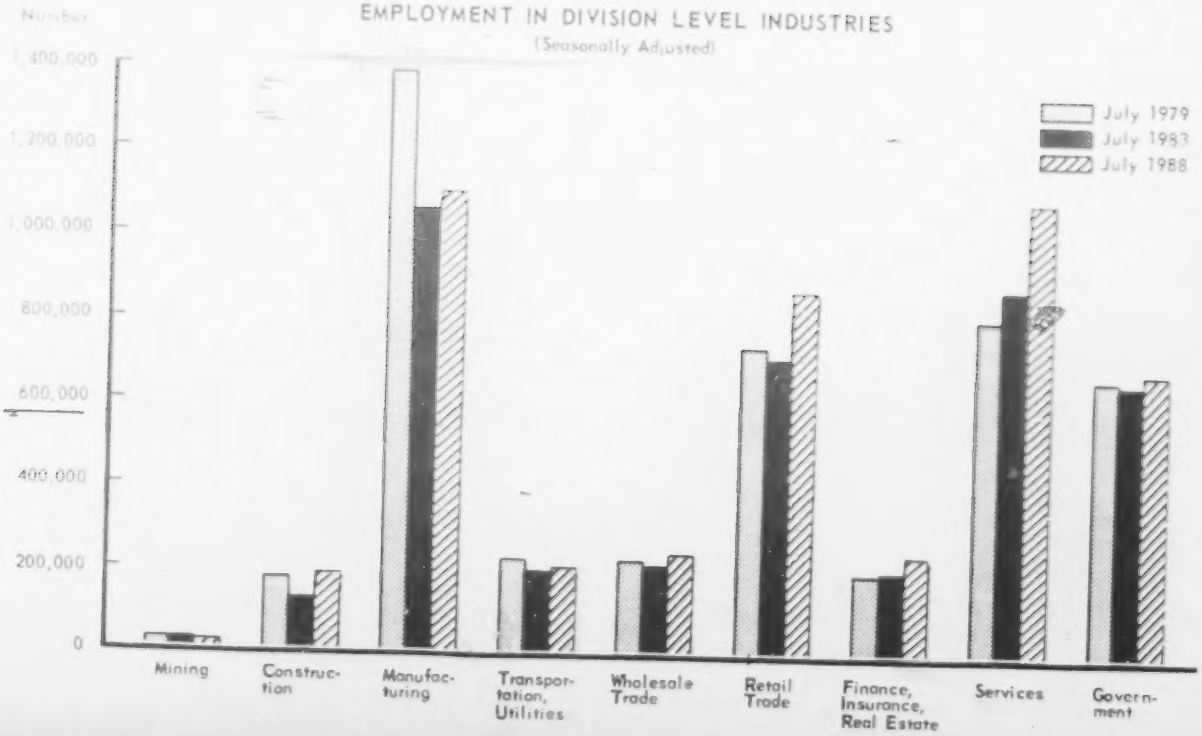
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,341	4,982	359	6.7	6.1	July
5,289	4,924	365	6.9	5.8	August
5,190	4,903	288	5.5	5.7	September
5,243	4,940	302	5.8	5.7	October
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
				1987
4,572.3	1,084.3	725.5	358.8	July
4,591.0	1,097.5	733.6	363.9	August
4,641.3	1,108.3	742.1	366.2	September
4,658.8	1,099.8	736.4	363.4	October
4,674.2	1,103.7	740.2	363.6	November
4,676.9	1,102.9	738.6	364.3	December
				1988
4,565.8	1,094.5	732.6	361.9	January
4,568.8	1,092.4	732.3	360.1	February
4,595.8	1,088.8	729.0	359.7	March
4,653.9	1,097.7	737.1	360.6	April
4,704.6	1,099.7	738.4	361.3	May
4,728.6	1,106.7	742.1	364.7	June
4,696.2	1,101.8	738.0	363.8	July

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
2,886.0	29.1	162.8	219.1	214.6	1977
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.6	20.9	177.0	206.9	248.7	1987
					1987
3,488.0	21.1	192.7	208.6	250.6	July
3,493.5	21.1	196.8	209.1	251.1	August
3,533.0	21.4	196.4	209.3	251.2	September
3,559.0	20.7	198.6	210.0	252.4	October
3,570.4	20.8	192.7	209.6	252.2	November
3,573.9	20.5	182.9	209.6	252.8	December
					1988
3,471.3	20.1	163.5	203.3	250.9	January
3,476.4	19.7	158.9	202.3	250.8	February
3,507.1	19.5	165.5	204.5	251.6	March
3,556.2	19.8	179.1	207.2	253.4	April
3,605.0	19.9	191.0	209.3	255.3	May
3,621.9	20.3	200.1	210.9	257.6	June
3,594.4	20.6	209.6	210.9	258.0	July

Retail Trade	Finance, Insurance & Real Estate	Services	Government	
703.2	183.4	731.4	642.3	1977
730.4	191.1	772.1	667.5	1978
742.4	200.6	806.2	674.0	1979
726.6	203.8	830.9	689.9	1980
717.7	205.8	851.6	676.0	1981
703.4	206.4	857.3	659.6	1982
711.0	207.8	873.3	656.1	1983
748.0	211.5	905.2	655.2	1984
787.9	219.3	949.5	665.2	1985
818.6	232.3	1,001.0	678.9	1986
847.7	243.1	1,051.2	688.1	1987
				1987
852.8	246.8	1,068.2	647.1	July
858.1	247.2	1,068.6	641.4	August
861.1	246.1	1,074.7	672.7	September
862.3	245.7	1,070.4	698.9	October
873.9	246.2	1,067.5	707.6	November
887.8	246.7	1,064.7	708.9	December
				1988
846.2	245.9	1,047.8	693.6	January
838.0	246.4	1,056.5	703.7	February
843.1	247.1	1,066.9	708.9	March
857.3	248.6	1,085.1	705.8	April
870.9	250.1	1,098.0	710.5	May
877.4	252.5	1,109.4	693.7	June
879.2	254.1	1,108.6	653.6	July

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

Manufacturing			
	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,084.3	725.5	358.8	July
1,097.5	733.6	363.9	August
1,108.3	742.1	366.2	September
1,099.8	736.4	363.4	October
1,103.7	740.2	363.6	November
1,102.9	738.6	364.3	December
			1988
1,094.5	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.8	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.7	738.4	361.3	May
1,106.7	742.1	364.7	June
1,101.8	738.0	363.8	July

Production Workers in Manufacturing

Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)	
958.0	$271.2	40.2	1977
985.5	302.5	41.5	1978
979.0	318.5	40.6	1979
867.8	301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.4	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
748.5	374.0	31.9	1987
			1987
735.3	356.7	30.8	July
749.2	368.9	31.7	August
760.8	380.5	32.4	September
753.7	380.3	32.3	October
759.0	388.2	32.8	November
758.6	388.9	32.8	December
			1988
750.1	380.8	32.1	January
748.5	376.4	31.7	February
744.5	378.6	31.8	March
752.3	388.8	32.4	April
754.3	389.5	32.4	May
759.3	396.2	32.9	June
753.5	380.2	31.9	July

Production Workers Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
473.96	499.56	425.80	1985
486.58	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
521.77	547.87	464.62	June
504.56	523.93	461.89	July

Production Workers Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.4	42.7	41.8	July

Production Workers Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
$6.74	$6.92	$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
			1987
11.58	11.89	10.87	July
11.64	12.00	10.82	August
11.74	12.10	10.92	September
11.76	12.13	10.90	October
11.84	12.22	10.96	November
11.84	12.21	10.99	December
			1988
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.01	12.42	11.00	May
12.05	12.48	11.01	June
11.90	12.27	11.05	July

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

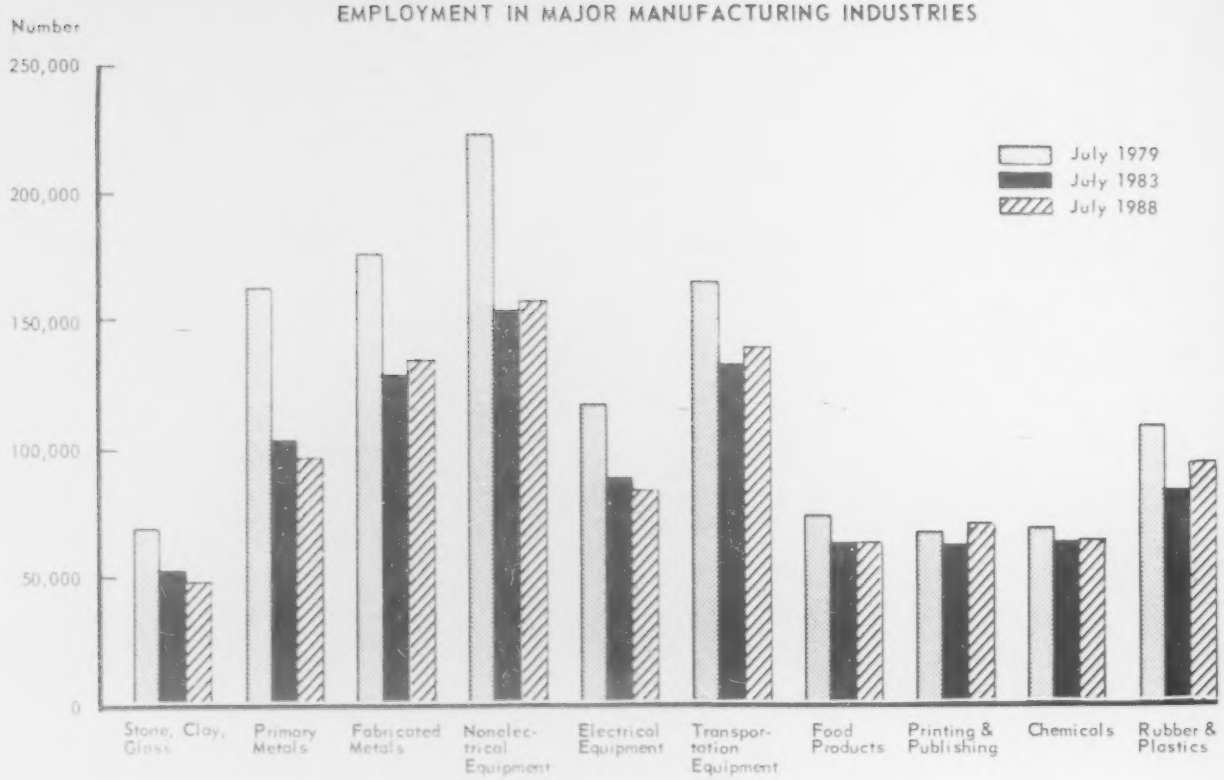
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.1	93.5	131.6	July	153.4	85.9	142.1	July	63.4	70.6	91.6
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.8	97.6	134.7	July	157.6	84.8	139.8	July	63.6	71.0	93.7

Average Weekly Earnings of Production Workers

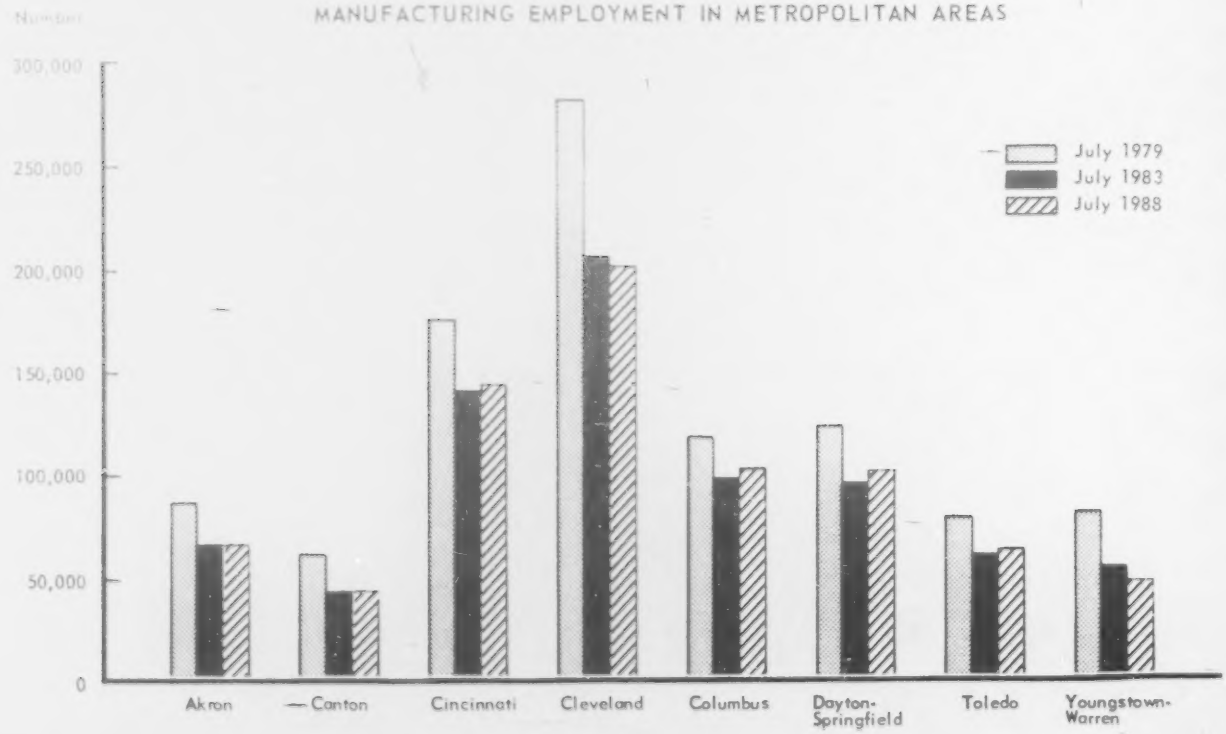
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
459.62	615.48	496.02	July	522.22	454.81	641.99	July	445.82	441.44	437.19

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	4696.2	4728.6	4572.3	- 32.4	124.0
MANUFACTURING	1101.8	1106.7	1084.3	- 4.9	17.5
Durable Goods[e]	738.0	742.1	725.5	- 4.0	12.5
Lumber and wood products	22.5	22.1	20.1	.4	2.4
Furniture and fixtures	14.6	14.6	14.1	- .1	.5
Stone, clay, and glass products	48.8	49.0	48.1	- .1	.7
Glass and glassware, pressed or blown.	9.5	9.7	9.4	- .3	.1
Primary metal industries	97.6	99.6	93.5	- 2.0	4.1
Blast furnace and basic steel products	45.2	45.2	43.0	.0	2.2
Iron and steel foundries	20.8	21.2	19.7	- .4	1.2
Nonferrous rolling and drawing	16.6	17.9	16.2	- 1.3	.4
Fabricated metal products	134.7	135.8	131.6	- 1.1	3.2
Cutlery, hand tools, and hardware	9.7	9.9	9.4	- .2	.3
Fabricated structural metal products	28.6	28.6	29.6	.0	- 1.0
Metal forgings and stampings	42.6	43.3	40.7	- .7	1.9
Machinery, except electrical	157.6	156.7	153.4	.8	4.2
Construction and related machinery	12.8	12.7	12.2	.1	.6
Metalworking machinery	40.3	40.0	39.6	.3	.7
Special industry machinery	17.5	17.2	16.3	.3	1.2
General industrial machinery	27.8	27.7	27.2	.1	.6
Office and computing machines	13.4	13.5	14.0	- .1	- .5
Refrigeration and service machinery	15.9	15.8	16.0	.2	- .1
Electric and electronic equipment	84.8	85.8	85.9	- 1.1	- 1.2
Electrical industrial apparatus	16.0	16.9	15.8	- .9	.3
Household appliances	15.6	15.4	16.0	.1	- .5
Electric lighting and wiring equipment	16.7	16.8	17.0	- .1	- .3
Communication equipment	10.0	10.0	10.2	.0	- .2
Transportation equipment	139.8	140.5	142.1	- .7	- 2.3
Motor vehicles and equipment	91.9	92.6	87.9	- .7	4.0
Aircraft and parts	39.3	39.3	44.5	.0	- 5.1
Instruments and related products	23.2	23.4	22.7	- .2	.5
Measuring and controlling devices	12.7	12.8	12.6	- .1	.1
Nondurable Goods[f]	363.8	364.7	358.8	- .9	5.0
Food and kindred products	63.6	63.6	63.4	.0	.2
Meat products	9.3	9.4	9.6	.0	- .2
Dairy products	11.1	11.0	10.6	.1	.4
Preserved fruits and vegetables	10.4	10.7	10.2	- .4	.2
Bakery products	9.2	9.1	9.2	.1	.1
Beverages	9.6	9.4	9.8	.2	- .2
Apparel and other textile products	16.4	16.3	15.8	.1	.6
Paper and allied products	37.6	37.7	36.7	.0	1.0
Misc. converted paper products	12.1	12.3	11.9	- .2	.2
Paperboard containers and boxes	13.2	13.2	12.6	.0	.6
Printing and publishing	71.0	71.1	70.6	- .1	.4
Newspapers	19.3	19.2	19.4	.1	- .1
Commercial printing	26.3	26.3	26.3	.0	.1
Chemicals and allied products	64.4	64.0	63.7	.4	.7
Industrial inorganic chemicals	9.3	9.3	9.0	.0	.3
Rubber and misc. plastics products	93.7	94.8	91.6	- 1.1	2.1
Tires and inner tubes	17.2	17.1	17.4	.1	- .2
Miscellaneous plastics products	55.7	56.7	54.4	- .9	1.4

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
NONAGRICULTURAL	3594.4	3621.9	3488.0	- 27.5	106.5
MINING	20.6	20.3	21.1	.3	- .6
Bituminous coal and lignite mining	8.5	8.6	9.2	.0	- .7
Oil and gas extraction	7.0	6.8	7.0	.2	.0
CONSTRUCTION	209.6	200.1	192.7	9.4	16.9
General building contractors	52.8	50.6	47.8	2.2	4.9
Heavy construction contractors	29.6	28.1	27.2	1.4	2.3
Highway and street construction	14.2	13.5	12.4	.7	1.8
Special trade contractors	127.3	121.4	117.7	5.9	9.6
TRANSPORTATION AND PUBLIC UTILITIES	210.9	210.9	208.6	.0	2.3
Railroad transportation	13.6	13.6	14.4	.0	- .8
Transportation, except railroads	107.3	107.6	104.1	- .3	3.1
Trucking and warehousing	74.2	74.0	72.8	.1	1.4
Communication, electric, gas services	90.1	89.8	90.1	.3	.0
Communication	47.7	47.7	47.5	.0	.2
Electric, gas, and sanitary services	42.4	42.1	42.6	.3	- .2
WHOLESALE TRADE	258.0	257.6	250.6	.4	7.4
Wholesale trade-durable goods	161.9	161.4	157.6	.5	4.4
Motor vehicles & automotive equipment	22.4	22.5	22.0	- .1	.4
Electrical goods	19.7	19.6	19.2	.1	.5
Machinery, equipment, and supplies	69.1	68.9	67.6	.2	1.5
Wholesale trade-nondurable goods	96.1	96.2	93.0	- .1	3.0
Groceries and related products	30.1	30.2	29.0	- .1	1.1
RETAIL TRADE	879.2	877.4	852.8	1.7	26.3
General merchandise stores	117.3	116.6	115.6	.7	1.7
Department stores	101.7	101.3	100.7	.4	1.0
Food stores	134.3	133.5	131.4	.8	2.8
Automotive dealers & service stations	97.2	96.8	94.4	.4	2.8
Apparel and accessory stores	43.3	43.1	40.8	.2	2.5
Eating and drinking places	313.6	314.0	305.0	- .4	8.6
FINANCE, INSURANCE, AND REAL ESTATE	254.1	252.5	246.8	1.6	7.3
Banking	64.9	64.4	63.8	.5	1.1
Credit agencies other than banks	38.7	38.5	37.7	.2	1.0
Insurance carriers	69.4	69.5	68.3	.0	1.1
Life insurance	25.6	25.9	25.7	- .3	- .1
Fire, marine, and casualty insurance	31.2	30.9	30.3	.3	.9
SERVICES	1108.6	1109.4	1068.2	- .8	40.4
Hotels and other lodging places	37.5	36.7	36.9	.7	.5
Personal services	57.8	58.1	55.7	- .2	2.2
Laundry, cleaning, & garment services	19.3	19.3	18.8	- .1	.5
Business services	226.4	223.4	213.4	2.9	13.0
Services to buildings	31.8	31.7	29.6	.1	2.2
Computer and data processing services	20.7	20.4	18.9	.3	1.9
Amusement and recreation services	55.2	54.5	54.5	.7	.7
Health services	373.4	370.7	363.7	2.7	9.7
Nursing and personal care facilities	82.7	82.3	80.4	.4	2.3
Hospitals	180.5	179.2	178.6	1.3	1.9
Educational services	49.9	57.5	48.7	- 7.6	1.2
Colleges and universities	24.4	28.7	23.7	- 4.3	.6
GOVERNMENT	653.6	693.7	647.1	- 40.1	6.5
Federal government	94.6	95.1	95.3	- .4	- .7
State government	139.2	153.9	136.6	- 14.7	2.6
State government education[1]	62.6	77.6	60.9	- 15.0	1.8
State government, except education	76.6	76.3	75.7	.3	.9
Local government	419.7	444.8	415.2	- 25.0	4.5
Local government education	224.0	253.3	220.3	- 29.2	3.7
Local government, except education	195.7	191.5	194.9	4.2	.8

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$504.56	$521.77	$485.20	42.4	43.3	41.9	$11.90	$12.05	$11.58
Durable Goods[e]	523.93	547.87	501.76	42.7	43.9	42.2	12.27	12.48	11.89
Lumber and wood products	319.90	317.75	298.48	41.6	41.7	41.0	7.69	7.62	7.28
Furniture and fixtures	369.98	359.24	349.92	41.2	40.5	40.5	8.98	8.87	8.64
Stone, clay, and glass products	459.62	469.15	446.42	42.4	43.2	41.8	10.84	10.86	10.68
Glass and glassware, pressed or blown	495.85	491.10	464.47	42.2	42.3	39.8	11.75	11.61	11.67
Primary metal industries	615.48	642.16	597.64	44.6	46.0	44.5	13.80	13.96	13.43
Blast furnace and basic steel products	664.09	666.92	638.02	46.8	46.9	46.1	14.19	14.22	13.84
Iron and steel foundries	593.89	668.45	586.28	42.3	46.1	43.3	14.04	14.50	13.54
Nonferrous rolling and drawing	617.73	654.05	601.27	41.1	43.2	41.9	15.03	15.14	14.35
Fabricated metal products	496.02	531.73	473.20	42.0	43.8	41.4	11.81	12.14	11.43
Cutlery, hand tools, and hardware	469.60	509.16	462.00	40.0	41.7	40.0	11.74	12.21	11.55
Fabricated structural metal products	451.08	456.45	428.68	42.0	42.5	41.7	10.74	10.74	10.28
Metal forgings and stampings	609.00	671.14	569.66	43.1	46.0	41.4	14.13	14.59	13.76
Machinery, except electrical	522.22	531.19	494.89	43.7	43.9	42.7	11.95	12.10	11.59
Construction and related machinery	426.40	424.77	409.65	41.6	41.2	40.6	10.25	10.31	10.09
Metalworking machinery	504.22	499.26	470.30	44.7	44.3	42.6	11.28	11.27	11.04
Special industry machinery	532.20	517.30	469.13	45.8	45.1	41.7	11.62	11.47	11.25
General industrial machinery	518.25	555.06	506.52	42.1	43.5	42.0	12.31	12.76	12.06
Office and computing machines	461.38	433.13	410.31	42.8	40.9	42.3	10.78	10.59	9.70
Refrigeration and service machinery	632.26	662.57	573.33	44.4	45.6	43.5	14.24	14.53	13.18
Electric and electronic equipment	454.81	471.66	449.21	40.9	42.0	40.8	11.12	11.23	11.01
Electrical industrial apparatus	453.02	482.45	457.75	41.6	43.7	41.5	10.89	11.04	11.03
Household appliances	474.30	479.57	474.37	40.1	40.3	41.0	11.83	11.90	11.57
Electric lighting and wiring equipment	459.02	488.78	435.97	40.3	42.1	39.1	11.39	11.61	11.15
Communication equipment	482.86	482.30	497.95	41.2	40.7	41.6	11.72	11.85	11.97
Transportation equipment	641.99	690.53	604.07	43.0	45.4	42.6	14.93	15.21	14.18
Motor vehicles and equipment	662.45	726.08	616.77	43.1	46.1	42.1	15.37	15.75	14.65
Aircraft and parts	604.47	595.95	583.88	43.3	43.5	44.0	13.96	13.70	13.27
Instruments and related products	373.46	367.08	358.27	40.2	39.9	39.5	9.29	9.20	9.07
Measuring and controlling devices	359.59	351.50	355.74	38.5	38.0	38.5	9.34	9.25	9.24
Nondurable Goods[f]	461.89	464.62	450.02	41.8	42.2	41.4	11.05	11.01	10.87
Food and kindred products	445.82	438.88	434.92	41.9	41.6	41.5	10.64	10.55	10.48
Meat products	374.67	367.52	360.00	41.4	40.7	40.0	9.05	9.03	9.00
Dairy products	471.73	463.31	479.60	43.8	43.3	44.0	10.77	10.70	10.90
Preserved fruits and vegetables	461.48	464.96	417.60	41.5	41.7	40.0	11.12	11.15	10.44
Bakery products	468.45	470.37	459.33	39.8	40.1	39.7	11.77	11.73	11.57
Beverages	452.60	440.79	433.86	42.9	41.9	42.0	10.55	10.52	10.33
Apparel and other textile products	290.86	302.04	280.49	39.2	39.9	37.7	7.42	7.57	7.44
Paper and allied products	495.44	498.61	493.06	44.0	44.4	44.3	11.26	11.23	11.13
Misc. converted paper products	461.75	427.00	443.07	44.7	42.7	43.1	10.33	10.00	10.28
Paperboard containers and boxes	426.22	443.98	433.01	42.2	43.4	43.0	10.10	10.23	10.07
Printing and publishing	441.44	441.00	420.81	39.1	39.2	38.5	11.29	11.25	10.93
Newspapers	373.29	375.49	354.98	34.5	34.8	34.1	10.82	10.79	10.41
Commercial printing	438.87	431.08	419.89	40.3	40.1	39.8	10.89	10.75	10.55
Chemicals and allied products	558.11	552.97	527.92	42.8	42.7	41.7	13.04	12.95	12.66
Industrial inorganic chemicals	573.52	592.70	565.55	42.8	44.1	42.3	13.40	13.44	13.37
Rubber and misc. plastics products	437.19	451.62	436.60	42.2	43.3	41.9	10.36	10.43	10.42
Tires and inner tubes	678.59	683.85	656.83	46.1	46.3	45.9	14.72	14.77	14.31
Miscellaneous plastics products	415.17	433.87	420.58	41.6	43.0	41.6	9.98	10.09	10.11

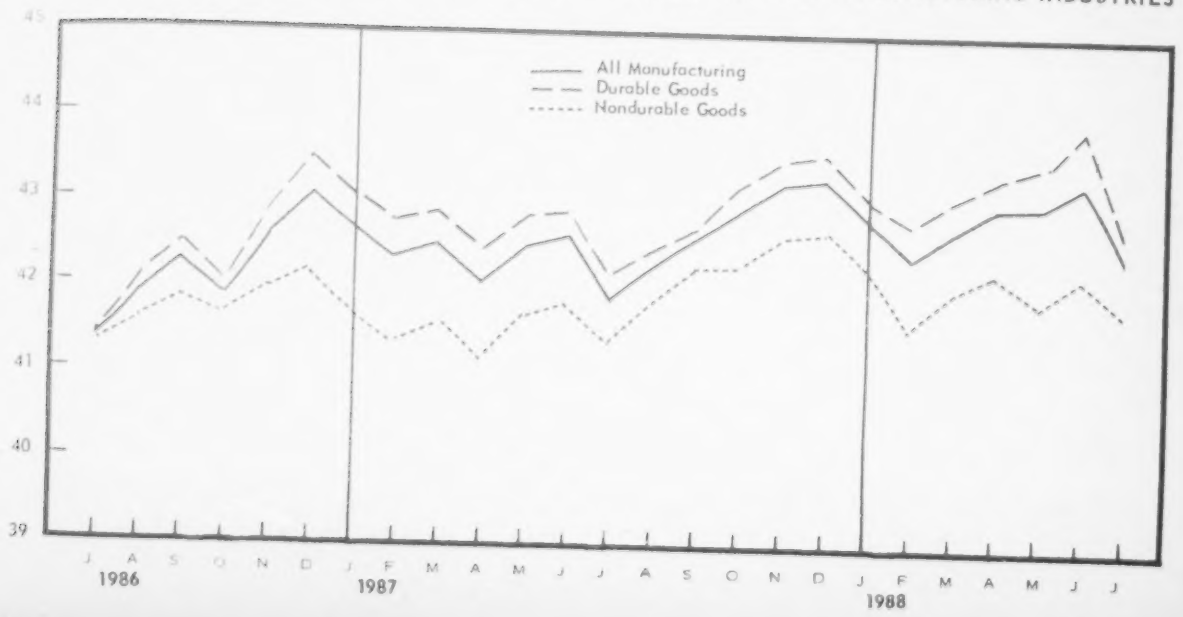
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

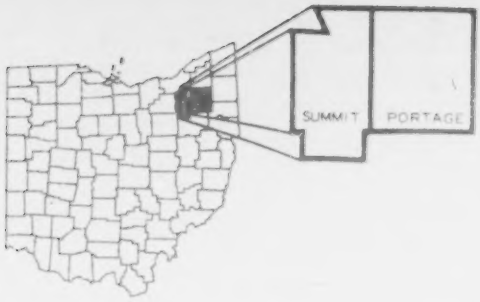
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MINING	$531.96	$538.16	$530.50	42.9	43.4	43.2	$12.40	$12.40	$12.28
Bituminous coal and lignite mining	628.00	636.73	630.24	40.7	41.4	41.3	15.43	15.38	15.26
CONSTRUCTION	603.00	589.74	569.30	40.2	39.5	39.1	15.00	14.93	14.56
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	574.74	560.69	566.48	41.2	40.6	41.5	13.95	13.81	13.65
Communication	549.59	538.80	559.42	40.5	40.0	41.5	13.57	13.47	13.48
Electric, gas, and sanitary services	605.40	587.47	576.99	42.1	41.4	41.6	14.38	14.19	13.87
WHOLESALE TRADE	391.39	390.00	378.97	39.1	39.0	39.6	10.01	10.00	9.57
Wholesale trade-durable goods	386.12	385.92	374.30	39.2	39.1	39.4	9.85	9.87	9.50
Wholesale trade-nondurable goods	400.92	397.56	386.80	39.0	38.9	40.0	10.28	10.22	9.67
RETAIL TRADE[h]	170.23	166.75	163.52	29.4	28.9	29.2	5.79	5.77	5.60
General merchandise stores	183.86	179.38	186.00	29.0	28.7	30.0	6.34	6.25	6.20
Department stores	189.57	183.74	191.77	29.3	28.8	30.2	6.47	6.38	6.35
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	268.81	268.99	260.42	....	....	....	.....	.....	.....
Credit agencies other than banks	271.21	268.47	254.53	....	....	....	.....	.....	.....
Insurance carriers	370.08	371.02	345.41	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	342.04	338.31	333.33	33.5	33.2	33.3	10.21	10.19	10.01

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



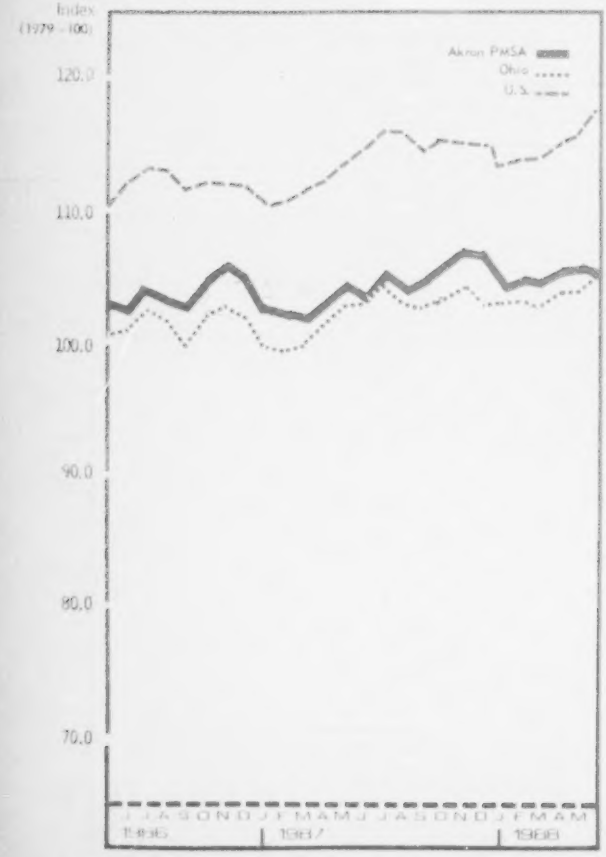
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



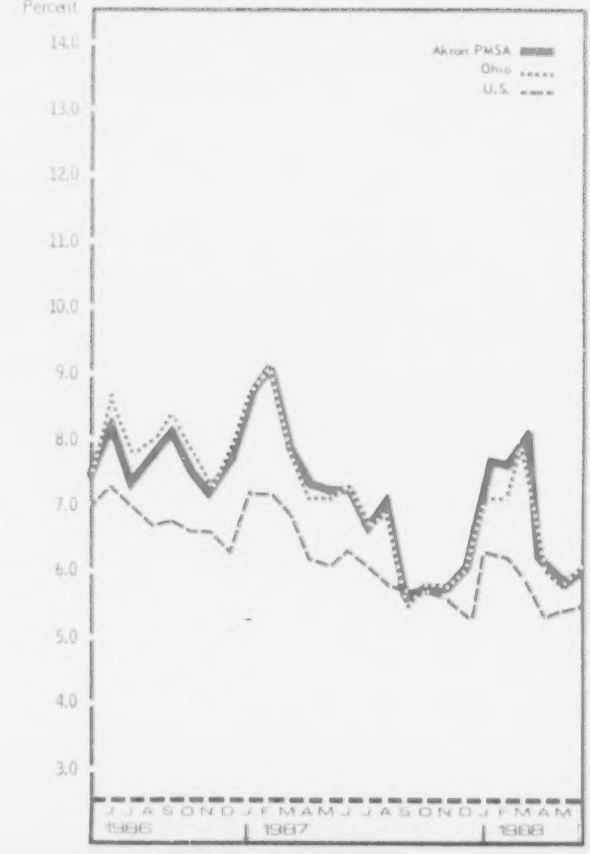
In the Akron metropolitan area, nonfarm payroll employment totaled 269,200 in July, 400 lower than in June 1988. Nonmanufacturing employment was unchanged over the month as scattered increases offset seasonal declines in nonteaching personnel in state and local schools and colleges. The manufacturing workforce lost 400 jobs due to modest reductions in rubber and miscellaneous plastics products and fabricated metal products. Factory production workers averaged $11.51 per hour, down $.25 from June. Their average workweek of 43.0 hours was 1.1 hours shorter.

Between July 1987 and July 1988, nonagricultural wage and salary employment advanced 7,100. Services, especially health services, retail trade, and construction were the primary growth sectors. Manufacturing employment gained 1,100 workers over the year, with moderate improvement noted in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



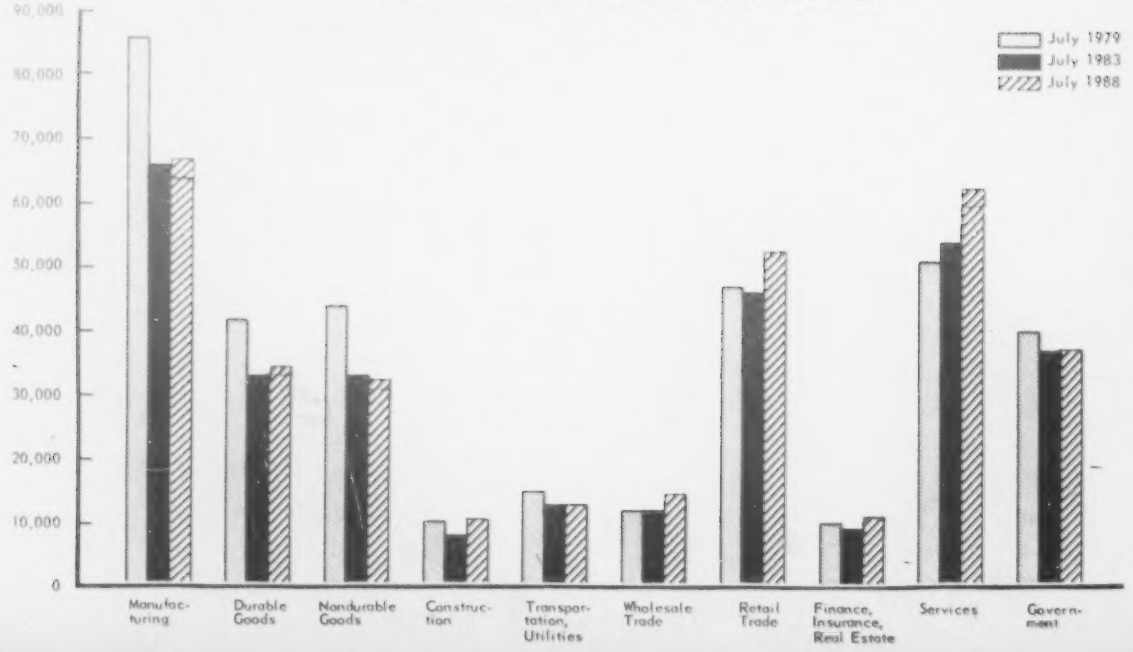
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
318.1	294.9	23.1	7.3	June	262.1	66.3	35.8	488.32	43.1	11.33
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.4	300.4	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
INA	INA	INA	INA	July	269.2	67.1	36.9	494.93	43.0	11.51

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	269.2	269.6	262.1	- .4	7.1
MANUFACTURING	67.1	67.5	66.0	- .4	1.1
Durable Goods[e]	34.6	34.8	33.5	- .2	1.1
Fabricated metal products	11.5	11.6	11.4	- .1	.1
Machinery, except electrical	10.0	10.0	9.2	.0	.8
Metalworking machinery	3.5	3.6	3.3	- .1	.3
Nondurable Goods[f]	32.5	32.7	32.5	- .2	- .1
Food and kindred products	3.1	3.1	3.1	.0	.0
Chemicals and allied products	2.9	2.9	3.1	.0	- .2
Rubber and misc. plastics products	20.9	21.1	20.8	- .2	.1
Tires and inner tubes	12.8	12.8	13.1	.0	- .3
NONMANUFACTURING[g]	202.1	202.1	196.0	.0	6.0
CONSTRUCTION	10.6	10.0	9.7	.6	.9
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.5	14.5	14.1	.0	.4
RETAIL TRADE	52.5	52.5	51.4	.1	1.1
General merchandise stores	6.1	6.0	6.2	.1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.9	10.7	.1	.3
Banking	3.3	3.2	3.1	.1	.2
SERVICES	62.5	62.4	59.3	.0	3.2
Business services	11.9	11.8	11.3	.2	.6
Amusement and recreation services	4.9	4.8	4.6	.1	.3
Health services	20.4	20.4	19.4	.1	1.1
GOVERNMENT	37.4	38.3	37.3	- .9	.2
State government	10.7	11.0	10.5	- .3	.2
State government education[1]	7.6	8.0	7.4	- .4	.2
State government, except education	3.1	3.1	3.1	.1	.0
Local government	24.3	24.9	24.4	- .5	.0
Local government education	12.9	13.5	12.2	- .6	.7
Local government, except education	11.5	11.4	12.2	.1	- .7

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

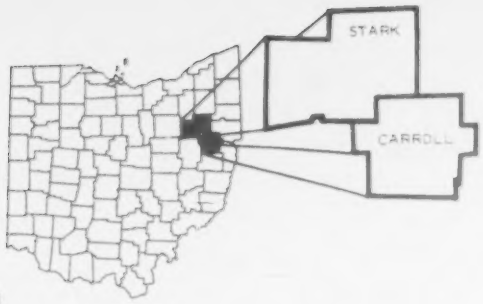
	Average Earnings			Average Hours			Average Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$494.93	$518.62	$469.42	43.0	44.1	42.1	$11.51	$11.76	$11.15
Durable Goods[e]	495.33	546.68	489.90	42.3	44.7	42.6	11.71	12.23	11.50
Fabricated metal products	589.53	731.68	575.60	42.2	48.2	42.7	13.97	15.18	13.48
Machinery, except electrical	466.06	462.95	458.21	44.9	44.6	44.4	10.38	10.38	10.32
Metalworking machinery	501.88	498.34	453.81	46.6	46.4	45.2	10.77	10.74	10.04
Nondurable Goods[f]	492.56	479.33	439.43	43.9	43.3	41.3	11.22	11.07	10.64
Food and kindred products	460.16	448.12	470.65	43.7	42.8	43.7	10.53	10.47	10.77
Chemicals and allied products	510.85	488.97	480.78	43.7	41.9	42.1	11.69	11.67	11.42
Rubber and misc. plastics products	509.82	510.75	460.90	44.8	45.0	41.9	11.38	11.35	11.00
Tires and inner tubes	818.47	821.94	708.25	50.9	50.8	46.2	16.08	16.18	15.33
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	579.10	562.47	575.19	41.1	40.7	41.5	14.09	13.82	13.86
WHOLESALE TRADE	352.85	353.51	333.89	37.9	38.3	37.6	9.31	9.23	8.88
RETAIL TRADE[h]	200.85	198.11	200.45	32.5	31.8	32.7	6.18	6.23	6.13

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,245	2,619	3,329
Active File of Job Seekers	17,305	17,303	18,962
Referrals to Jobs	1,972	1,511	1,889
Placements	533	641	1,222
Job Openings Received	1,379	1,475	1,952
Job Openings Unfilled	2,494	1,993	2,895
Unemployment Insurance Program			
Initial Claims	2,822	2,133	3,602
Continued Claims	19,341	19,968	27,935
First Payments	878	880	1,393
Last Payments	314	437	563
Weeks Compensated	13,327	17,328	23,626
Benefits Paid	$1,923,566	$2,550,683	$3,506,875
Average Weekly Payment	$147.96	$151.30	$151.76

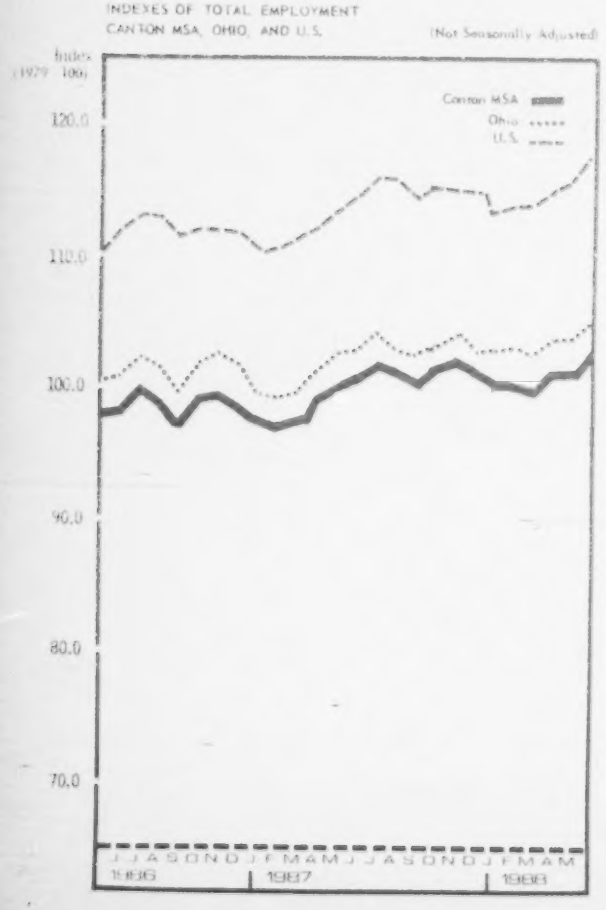
CANTON
METROPOLITAN STATISTICAL AREA

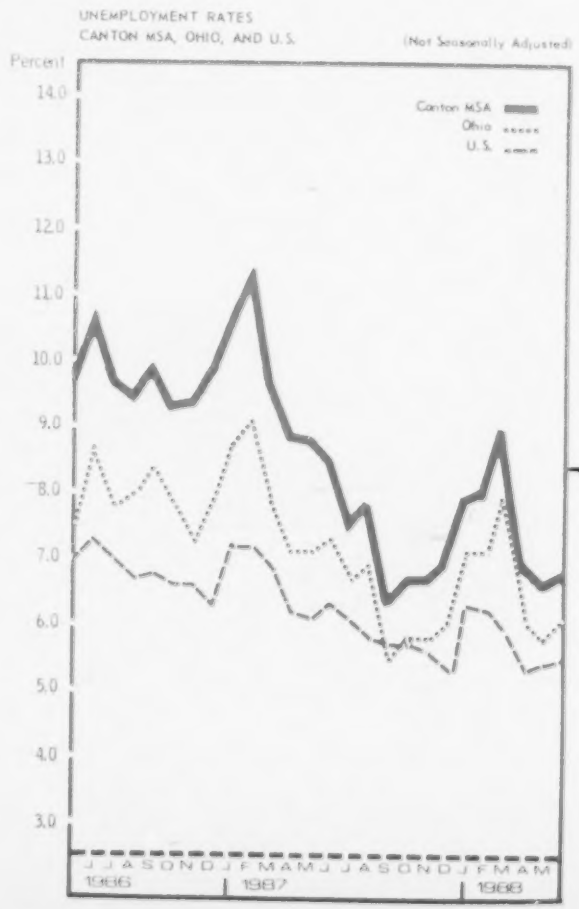


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll employment in the Canton metropolitan area rose 300 from June, to 161,700 in July 1988. Modest improvements in primary metal industries and fabricated metal products increased manufacturing employment 200. Nonmanufacturing employment was unchanged. The seasonal loss of local nonteaching personnel was offset by gains in construction, transportation and public utilities, and retail trade. Manufacturing production workers earned an average of $11.26 per hour, down $.09 from last month. Their average workweek, 42.7 hours, was .1 hours shorter.

Total nonfarm wage and salary employment increased 6,100 between July 1987 and July 1988. Nonmanufacturing industries provided 78.7 percent of the improvement. Major growth sectors were services, construction, and retail trade. The manufacturing labor force advanced 1,200 over the year, to 44,100. Noteworthy expansion occurred in primary metal industries.





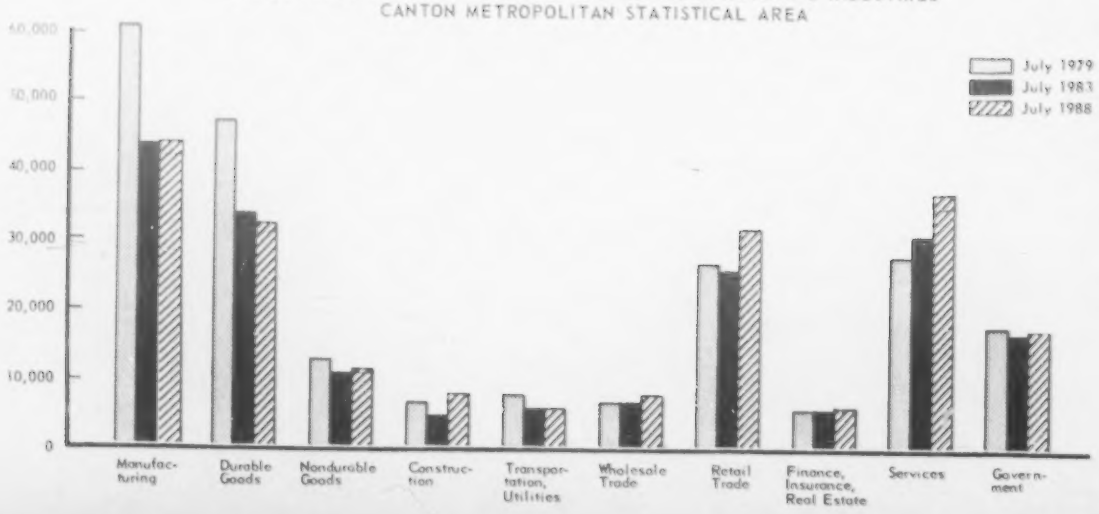
CANTON MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
191.8	175.5	16.3	8.5	June	157.3	43.8	30.9	479.39	42.2	11.36
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.9	178.8	13.1	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
INA	INA	INA	INA	July	161.7	44.1	31.5	480.80	42.7	11.26

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	161.7	161.5	155.7	.3	6.1
MANUFACTURING	44.1	43.9	42.9	.2	1.2
Durable Goods[e]	32.4	32.1	31.3	.3	1.0
Primary metal industries	10.8	10.7	10.1	.1	.7
Fabricated metal products	6.3	6.3	6.6	.1	-.2
Metal forgings and stampings	2.0	2.0	2.2	.0	-.2
Nondurable Goods[f]	11.8	11.8	11.6	-.1	.2
Food and kindred products	3.4	3.4	3.5	.0	-.1
Rubber and misc. plastics products	3.0	3.0	2.9	.0	.1
NONMANUFACTURING[g]	117.6	117.6	112.8	.0	4.8
CONSTRUCTION	8.2	7.7	6.8	.5	1.4
TRANSPORTATION AND PUBLIC UTILITIES	6.3	6.1	5.8	.2	.5
Communication, electric, gas services	2.8	2.7	2.6	.1	.2
WHOLESALE TRADE	8.1	8.2	8.1	-.0	.0
Wholesale trade-durable goods	4.5	4.5	4.6	.0	-.1
RETAIL TRADE	32.2	32.0	31.2	.2	1.0
General merchandise stores	4.0	4.0	3.7	.0	.2
Food stores	5.2	5.1	5.0	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.6	.1	-.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.2	37.2	35.7	.1	1.5
Health services	15.5	15.4	15.1	.1	.4
GOVERNMENT	17.9	18.9	17.6	-1.0	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.7	15.7	14.5	-1.0	.2
Local government education	7.9	8.7	8.1	-.8	-.2
Local government, except education	6.8	7.0	6.4	-.2	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

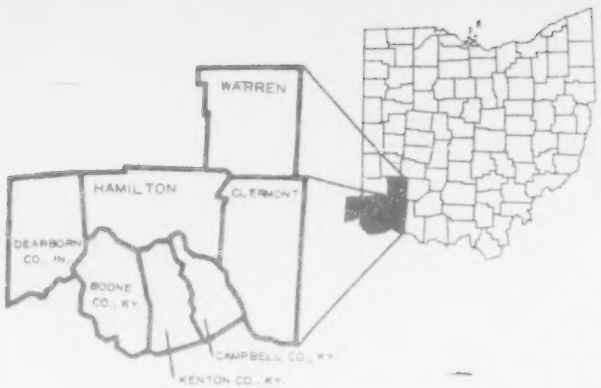
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$480.80	$485.78	$470.50	42.7	42.8	41.6	$11.26	$11.35	$11.31
Durable Goods[e]	504.45	512.00	496.27	43.3	43.5	42.2	11.65	11.77	11.76
Primary metal industries	600.78	603.94	576.29	46.5	46.6	43.2	12.92	12.96	13.34
Fabricated metal products	435.59	452.15	446.76	40.9	42.1	40.8	10.65	10.74	10.95
Metal forgings and stampings	558.19	569.23	579.04	40.1	40.2	40.1	13.92	14.16	14.44
Nondurable Goods[f]	409.59	406.59	393.82	41.0	40.7	39.7	9.99	9.99	9.92
Food and kindred products	404.74	409.81	402.19	38.4	38.3	39.9	10.54	10.70	10.08
Rubber and misc. plastics products	414.83	411.64	442.21	41.4	41.0	43.1	10.02	10.04	10.26
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	559.37	546.72	575.51	40.8	40.2	42.1	13.71	13.60	13.67
WHOLESALE TRADE	400.34	382.50	387.86	38.2	37.5	38.1	10.48	10.20	10.18
RETAIL TRADE[h]	164.79	160.56	157.29	29.8	29.3	29.4	5.53	5.48	5.35

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	1,956	1,542	1,924
Active File of Job Seekers	12,656	12,069	12,268
Referrals to Jobs	1,958	1,147	1,583
Placements	273	190	808
Job Openings Received	1,191	681	652
Job Openings Unfilled	2,135	1,409	739
Unemployment Insurance Program			
Initial Claims	1,651	1,520	2,550
Continued Claims	11,107	13,158	18,326
First Payments	554	588	769
Last Payments	217	220	393
Weeks Compensated	8,304	11,262	13,313
Benefits Paid	$1,121,256	$1,586,247	$1,855,245
Average Weekly Payment	$139.58	$145.29	$143.54

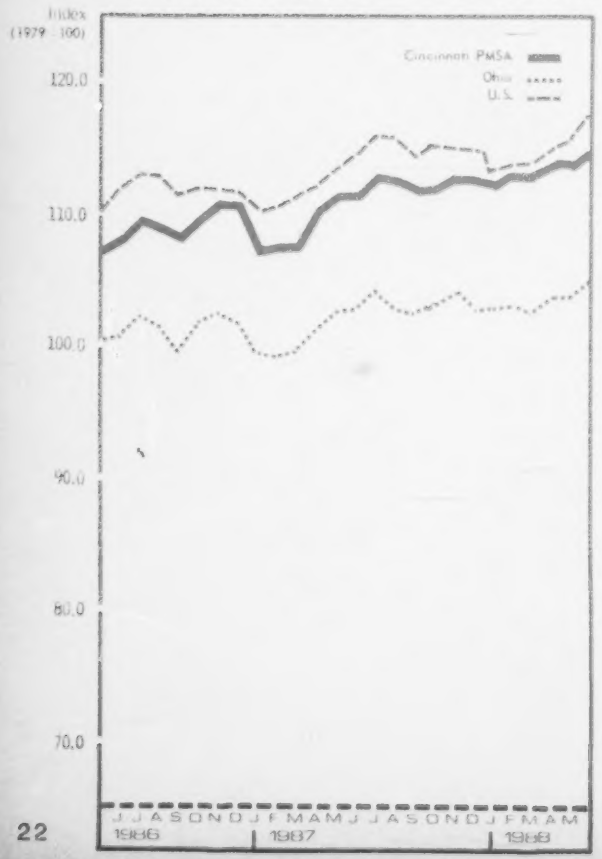
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



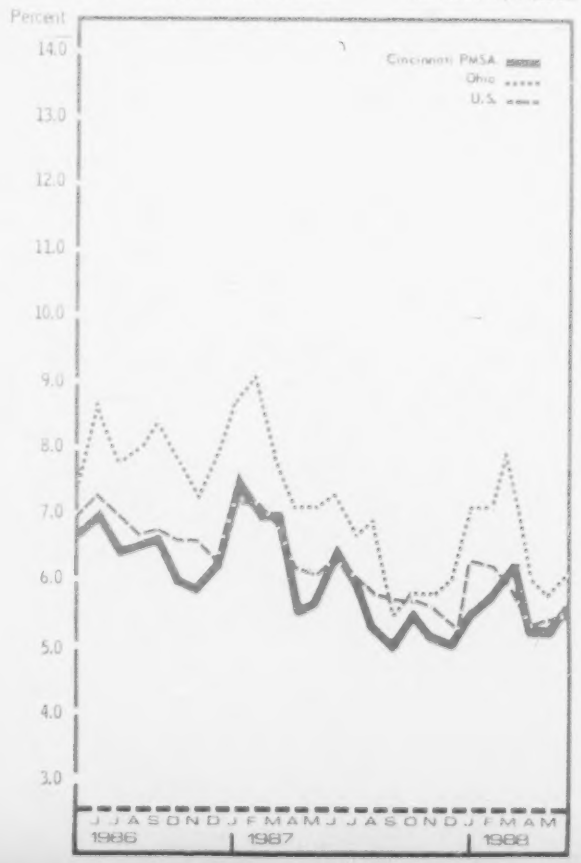
Total nonfarm wage and salary employment in the Cincinnati metropolitan area declined 2,600 from June, to 700,100 in July 1988. The loss was concentrated in the nonmanufacturing sector. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-6,000) negated moderate gains in construction and retail trade. Manufacturing employment rose 200, to 143,900 in July, with scattered gains occurring in durable- and nondurable-goods industries.

Between July 1987 and July 1988, nonagricultural payroll employment advanced 20,700. Significant growth was recorded in services, retail trade, and construction. Marked improvements also occurred in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Over the year, the manufacturing workforce declined 1,000 due to reductions in transportation equipment (-1,500).

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

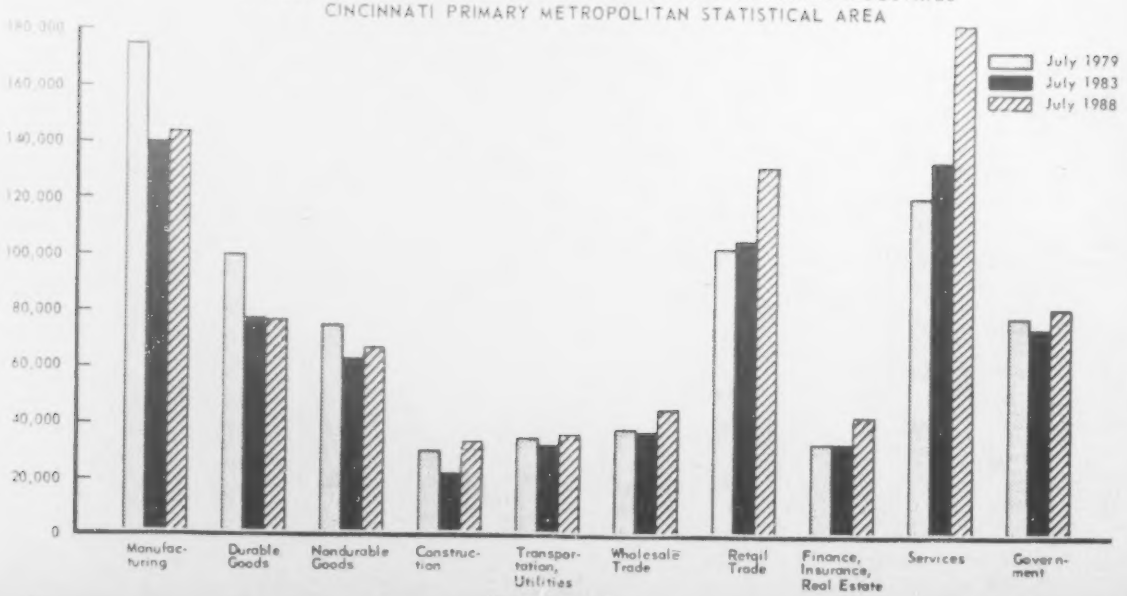


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
750.4	701.8	48.6	6.5	June	680.2	144.7	92.0	466.52	42.8	10.90
756.6	712.1	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.0	720.3	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
INA	INA	INA	INA	July	700.1	143.9	91.6	461.76	41.6	11.10

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	700.1	702.7	679.4	- 2.6	20.7
MANUFACTURING	143.9	143.7	144.9	.2	- 1.0
Durable Goods[e]	76.8	76.7	77.9	.1	- 1.1
Fabricated metal products	9.9	9.9	10.1	.1	- .2
Fabricated structural metal products	3.7	3.7	4.0	.0	- .2
Machinery, except electrical	20.3	20.3	20.7	.0	- .4
Metalworking machinery	8.0	8.0	8.3	.1	- .3
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.7	7.7	7.5	.0	.1
Transportation equipment	24.4	24.3	25.9	.1	- 1.5
Motor vehicles and equipment	4.8	4.8	5.2	.0	- .4
Nondurable Goods[f]	67.1	66.9	67.0	.2	.1
Food and kindred products	13.5	13.4	13.3	.1	.2
Beverages	3.5	3.5	3.7	.0	- .1
Apparel and other textile products	3.9	3.7	3.8	.1	.1
Paper and allied products	5.8	5.9	6.0	.0	- .2
Printing and publishing	13.0	13.1	13.3	- .1	- .3
Commercial printing	5.6	5.7	5.9	.0	- .3
Chemicals and allied products	22.8	22.7	22.6	.1	.3
Rubber and misc. plastics products	5.7	5.8	5.6	- .1	.1
NONMANUFACTURING[g]	556.2	559.0	534.4	- 2.9	21.8
CONSTRUCTION	34.5	33.4	31.2	1.2	3.3
TRANSPORTATION AND PUBLIC UTILITIES	36.8	36.7	35.5	.1	1.3
Trucking and warehousing	10.6	10.5	10.0	.1	.7
Communication, electric, gas services	15.2	15.1	15.2	.2	.0
WHOLESALE TRADE	45.9	45.7	44.2	.1	1.6
Wholesale trade-durable goods	27.3	27.2	26.0	.2	1.3
RETAIL TRADE	131.2	130.2	126.7	1.0	4.5
General merchandise stores	17.4	17.0	17.7	.3	- .3
FINANCE, INSURANCE, AND REAL ESTATE	42.7	42.4	40.8	.3	1.8
Banking	9.4	9.3	8.8	.1	.5
Insurance carriers	14.3	14.3	13.8	.0	.5
SERVICES	182.3	182.1	173.7	.3	8.6
Hotels and other lodging places	7.3	7.2	6.8	.1	.5
Personal services	8.7	8.8	8.3	- .1	.4
Business services	44.3	43.2	40.7	1.1	3.6
Amusement and recreation services	11.2	11.5	11.3	- .3	- .1
Health services	55.2	54.9	53.2	.3	1.9
Hospitals	26.0	25.9	25.5	.2	.6
GOVERNMENT	82.2	88.1	81.8	- 5.8	.4
Federal government	14.9	15.2	14.4	- .3	.5
State government	18.0	19.6	18.3	- 1.6	- .3
State government education[i]	10.1	11.7	10.2	- 1.6	- .1
State government, except education	7.9	7.9	8.1	.0	- .2
Local government	49.3	53.3	49.1	- 4.0	.2
Local government education	25.4	29.8	26.0	- 4.4	- .6
Local government, except education	23.9	23.5	23.1	.4	.8

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jun. 1987[c]
MANUFACTURING	$461.76	$466.62	$451.73	41.6	42.0	42.1	$11.10	$11.11	$10.73
Durable Goods[e]	449.19	469.45	436.60	41.4	42.6	41.9	10.85	11.02	10.42
Fabricated metal products	408.36	419.16	429.57	41.5	42.0	44.7	9.84	9.98	9.61
Fabricated structural metal products	451.14	447.34	450.22	43.8	43.6	46.8	10.30	10.26	9.62
Machinery, except electrical	431.96	430.42	407.38	42.6	42.7	41.4	10.14	10.08	9.84
Metalworking machinery	493.50	493.06	435.51	44.3	44.5	40.4	11.14	11.08	10.78
General industrial machinery	426.53	438.22	404.49	44.2	45.6	43.4	9.65	9.61	9.32
Electric and electronic equipment	331.74	326.09	335.43	38.8	39.1	38.6	8.55	8.34	8.69
Transportation equipment	637.45	720.90	600.48	41.8	46.6	42.8	15.25	15.47	14.03
Motor vehicles and equipment	632.84	895.96	636.70	38.1	51.7	40.4	16.61	17.33	15.76
Nondurable Goods[f]	473.59	465.22	466.57	41.8	41.5	42.3	11.33	11.21	11.03
Food and kindred products	548.10	482.98	489.77	45.0	41.6	43.0	12.18	11.61	11.39
Beverages	520.42	519.58	523.34	41.6	41.5	41.8	12.51	12.52	12.52
Apparel and other textile products	208.15	217.19	204.79	36.2	37.0	36.7	5.75	5.87	5.58
Paper and allied products	423.43	422.35	433.72	41.8	41.9	42.9	10.13	10.08	10.11
Printing and publishing	455.06	446.23	454.90	40.2	39.7	40.4	11.32	11.24	11.26
Commercial printing	500.09	475.27	507.86	43.6	41.8	44.2	11.47	11.37	11.49
Chemicals and allied products	552.66	556.62	551.23	41.9	42.2	43.2	13.19	13.19	12.76
Rubber and misc. plastics products	386.14	401.76	436.97	41.7	43.2	45.9	9.26	9.30	9.52
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.11	563.70	553.79	41.1	40.7	40.9	13.83	13.85	13.54
WHOLESALE TRADE	407.23	406.42	394.70	40.4	40.4	41.2	10.08	10.06	9.58
RETAIL TRADE[h]	168.99	167.83	167.10	29.7	29.6	30.0	5.69	5.67	5.57
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	265.74	260.77	255.25	....	....	....	.....	.....	.....

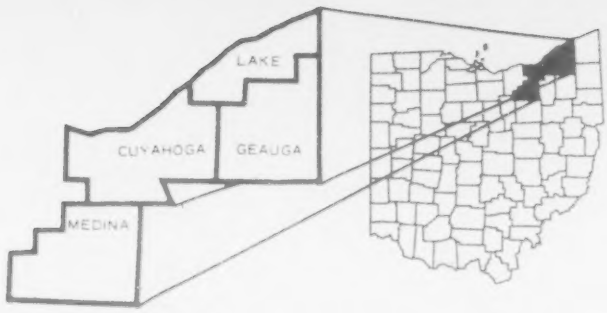
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,624	2,916	3,112
Active File of Job Seekers	21,162	21,335	20,103
Referrals to Jobs	1,647	1,850	2,035
Placements	271	599	430
Job Openings Received	1,474	1,295	1,425
Job Openings Unfilled	2,201	1,883	3,264
Unemployment Insurance Program			
Initial Claims	3,197	4,157	6,360
Continued Claims	36,602	39,185	42,218
First Payments	1,708	1,660	2,606
Last Payments	705	747	900
Weeks Compensated	27,886	31,220	35,401
Benefits Paid	$4,232,611	$4,874,757	$5,216,113
Average Weekly Payment	$153.70	$158.37	$150.10

[a]Ohio data only

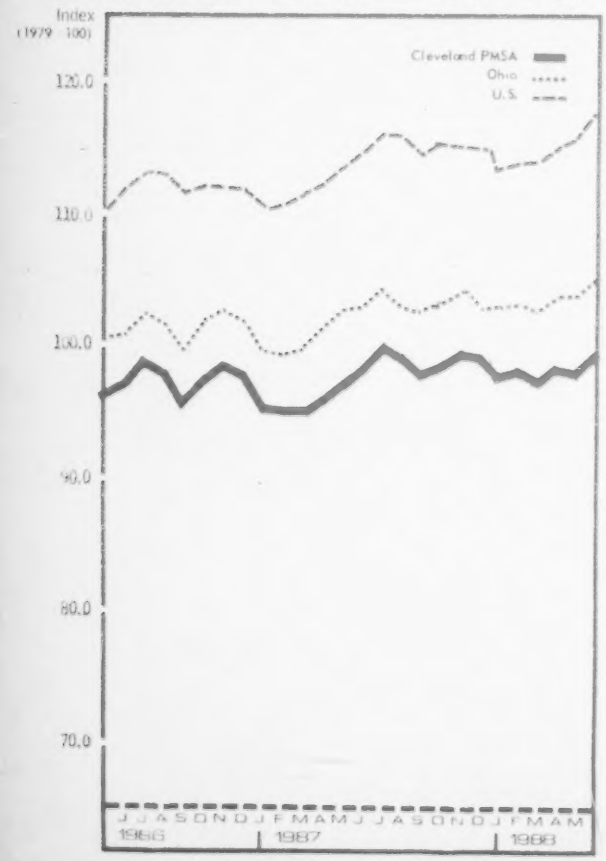
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



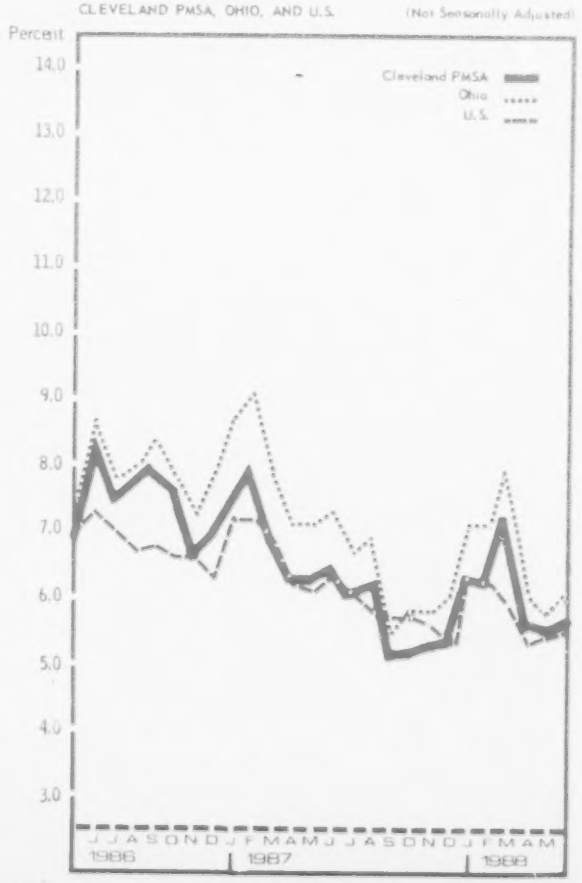
In the Cleveland metropolitan area, total nonfarm payroll employment was 921,100 in July 1988, a gain of 2,600 from June. The improvement was concentrated in nonmanufacturing industries, with moderate gains in construction, government, services, and finance, insurance, and real estate. The manufacturing labor force dropped 1,200 over the month due to a labor-management dispute in electric and electronic equipment and less business in food and kindred products. Production worker average hourly earnings, $11.68 per hour, were down $.18 from June. Their average workweek was 1.0 hours shorter, at 42.7 hours.

Nonagricultural wage and salary employment increased 20,400 between July 1987 and July 1988. Expansion in the nonmanufacturing sector provided 85.8 percent of the gain. Primary growth industries were services and retail trade. Marked improvements were also noted in finance, insurance, and real estate and in construction. Manufacturing employment was 2,900 higher over the year due to expansion in fabricated metal products, nonelectrical machinery, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

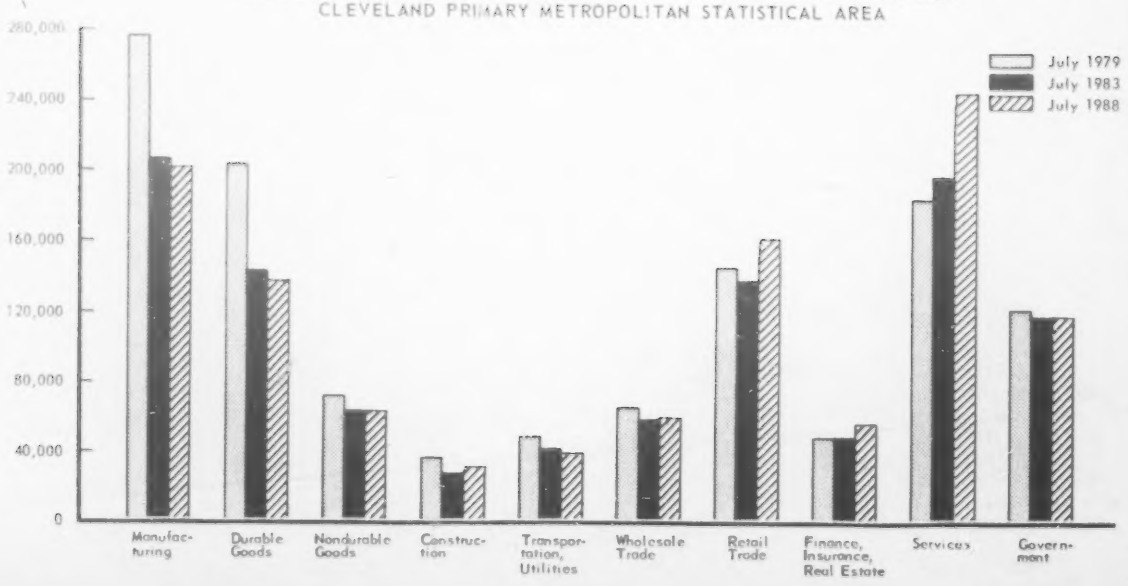


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
935.9	875.5	60.4	6.5	June	899.0	201.1	128.3	494.21	42.9	11.52
949.3	892.7	56.7	6.0	July	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
937.7	884.3	53.4	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
INA	INA	INA	INA	July	921.1	202.6	130.1	498.74	42.7	11.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	921.1	918.5	900.7	2.6	20.4
MANUFACTURING	202.6	203.9	199.7	-1.2	2.9
Durable Goods[e]	137.6	138.3	135.1	- .7	2.4
Primary metal industries	20.8	21.0	20.7	- .2	.0
Iron and steel foundries	5.1	5.1	5.2	.0	- .1
Fabricated metal products	33.1	33.4	32.1	- .3	1.0
Fabricated structural metal products	4.2	4.3	4.2	.0	.1
Screw machine products, bolts, etc.	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.6	11.7	11.0	- .1	.6
Machinery, except electrical	29.7	29.4	28.8	.3	.9
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.7	9.7	9.6	.0	.1
Special industry machinery	2.7	2.6	2.8	.1	.0
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	17.7[j]	18.4	17.5	- .7	.3
Electrical industrial apparatus	5.9	6.5	5.9	- .6	- .1
Transportation equipment	18.8	18.8	18.8	.0	.0
Motor vehicles and equipment	11.8	11.8	11.5	.0	.3
Instruments and related products	6.3	6.3	6.5	.0	- .2
Measuring and controlling devices	4.0	4.0	4.3	.0	- .2
Nondurable Goods[f]	65.0	65.5	64.6	- .5	.5
Food and kindred products	6.5	6.9	6.9	- .4	- .4
Apparel and other textile products	4.0	4.1	3.9	- .1	.1
Paper and allied products	5.6	5.6	5.5	.1	.1
Printing and publishing	16.2	16.1	16.4	.1	- .2
Chemicals and allied products	15.4	15.4	14.9	.0	.5
Rubber and misc. plastics products	12.2	12.4	11.9	- .2	.3
NONMANUFACTURING[g]	718.5	714.6	701.0	3.9	17.5
CONSTRUCTION	32.0	30.9	30.9	1.1	1.1
TRANSPORTATION AND PUBLIC UTILITIES	41.2	41.2	41.5	.0	- .3
Trucking and warehousing	12.3	12.2	12.1	.1	.2
Communication, electric, gas services	17.6	17.5	18.0	.1	- .4
WHOLESALE TRADE	61.4	61.2	61.0	.2	.4
Wholesale trade-durable goods	42.0	41.9	42.1	.1	- .1
RETAIL TRADE	161.3	160.9	155.2	.3	6.0
General merchandise stores	20.9	20.9	20.3	.0	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.5	56.8	55.2	.6	2.3
Banking	13.7	13.4	13.6	.3	.1
Credit agencies other than banks	8.9	8.8	8.7	.1	.1
Insurance carriers	14.4	14.2	13.8	.2	.6
SERVICES	245.5	244.8	236.0	.7	9.5
Business services	57.0	56.2	54.0	.8	2.9
Amusement and recreation services	10.2	9.6	10.2	.6	.0
Health services	77.1	76.3	75.5	.8	1.5
Hospitals	43.0	42.6	42.9	.4	.2
GOVERNMENT	118.8	118.0	120.2	.8	- 1.4
Federal government	20.6	20.8	20.4	- .2	.1
State government	8.2	8.6	8.2	- .4	.0
State government education[i]	2.9	3.3	2.8	- .4	.0
State government, except education	5.3	5.3	5.3	.0	.0
Local government	90.1	88.7	91.6	1.4	- 1.5
Local government education	42.9	44.0	42.9	- 1.1	.0
Local government, except education	47.2	44.7	48.8	2.6	- 1.5

Hours & Earnings of Production or Nonsupervisory Workers[a]

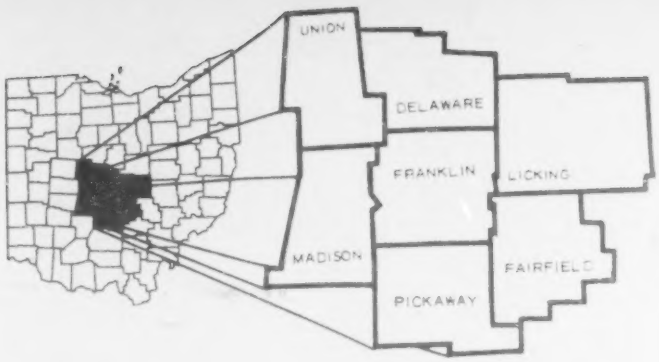
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$498.74	$518.28	$476.52	42.7	43.7	41.8	$11.68	$11.86	$11.40
Durable Goods[e]	532.44	560.35	504.29	43.5	44.9	42.2	12.24	12.48	11.95
Primary metal industries	568.75	607.85	570.70	45.5	47.6	43.9	12.50	12.77	13.00
Iron and steel foundries	732.59	897.39	688.97	43.4	50.7	42.9	16.88	17.70	16.06
Fabricated metal products	524.30	569.70	474.29	42.8	45.0	41.1	12.25	12.66	11.54
Fabricated structural metal products	392.18	400.08	378.68	40.1	40.7	40.2	9.78	9.83	9.42
Screw machine products, bolts, etc.	517.70	562.12	439.95	44.9	47.0	41.9	11.53	11.96	10.50
Metal forgings and stampings	660.38	744.96	567.88	44.5	48.5	41.3	14.84	15.36	13.75
Machinery, except electrical	491.84	508.46	493.06	42.4	43.2	42.8	11.60	11.77	11.52
Construction and related machinery	403.55	404.90	386.32	44.2	44.3	43.8	9.13	9.14	8.82
Metalworking machinery	442.74	439.93	421.25	41.3	41.0	40.7	10.72	10.73	10.35
Special industry machinery	452.28	474.50	454.73	39.5	40.8	37.8	11.45	11.63	12.03
General industrial machinery	503.55	487.49	494.62	44.8	43.8	44.4	11.24	11.13	11.14
Electric and electronic equipment	457.60	460.40	432.42	41.6	42.2	40.3	11.00	10.91	10.73
Electrical industrial apparatus	535.81	525.83	461.45	44.8	44.6	40.8	11.96	11.79	11.31
Transportation equipment	719.82	767.39	649.88	46.5	48.6	44.0	15.48	15.79	14.77
Motor vehicles and equipment	791.27	851.62	679.97	46.3	49.0	43.2	17.09	17.38	15.74
Instruments and related products	435.93	413.53	382.04	43.9	42.5	40.3	9.93	9.73	9.48
Measuring and controlling devices	466.91	431.81	393.81	43.8	41.6	39.9	10.66	10.38	9.87
Nondurable Goods[f]	417.18	416.98	411.26	40.7	40.8	40.8	10.25	10.22	10.08
Food and kindred products	417.78	388.40	378.00	42.2	40.0	43.2	9.90	9.71	8.75
Apparel and other textile products	331.23	324.23	310.70	40.1	39.3	38.5	8.26	8.25	8.07
Paper and allied products	467.29	448.04	474.22	41.5	40.4	42.8	11.26	11.09	11.08
Printing and publishing	379.14	396.38	413.00	35.6	36.6	38.1	10.65	10.83	10.84
Chemicals and allied products	505.99	506.78	490.62	43.1	43.5	42.7	11.74	11.65	11.49
Rubber and misc. plastics products	384.81	393.32	371.87	42.9	43.8	41.0	8.97	8.98	9.07
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	592.87	576.32	597.70	41.2	40.5	42.3	14.39	14.23	14.13
WHOLESALE TRADE	419.25	420.51	405.78	39.0	38.9	39.9	10.75	10.81	10.17
RETAIL TRADE[h]	191.61	186.78	189.28	28.9	28.3	29.3	6.63	6.60	6.46
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	308.47	306.99	296.83	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	341.65	340.02	347.52	31.9	31.6	32.6	10.71	10.76	10.66

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber a d wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	4,484	4,637	7,277
Active File of Job Seekers	56,512	58,594	61,401
Referrals to Jobs	2,344	2,322	2,590
Placements	926	472	702
Job Openings Received	1,682	1,699	1,547
Job Openings Unfilled	4,256	4,200	2,251
Unemployment Insurance Program			
Initial Claims	6,557	5,750	9,630
Continued Claims	50,211	57,584	64,970
First Payments	2,659	2,415	3,425
Last Payments	1,186	1,030	1,202
Weeks Compensated	40,385	47,302	50,624
Benefits Paid	$6,056,452	$7,225,147	$7,222,711
Average Weekly Payment	$152.76	$155.36	$145.02

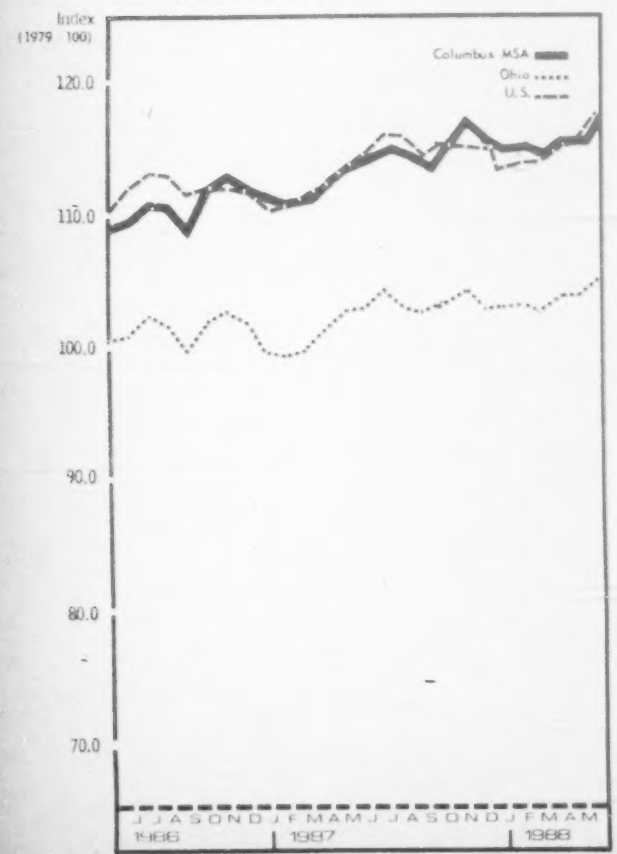
COLUMBUS METROPOLITAN STATISTICAL AREA



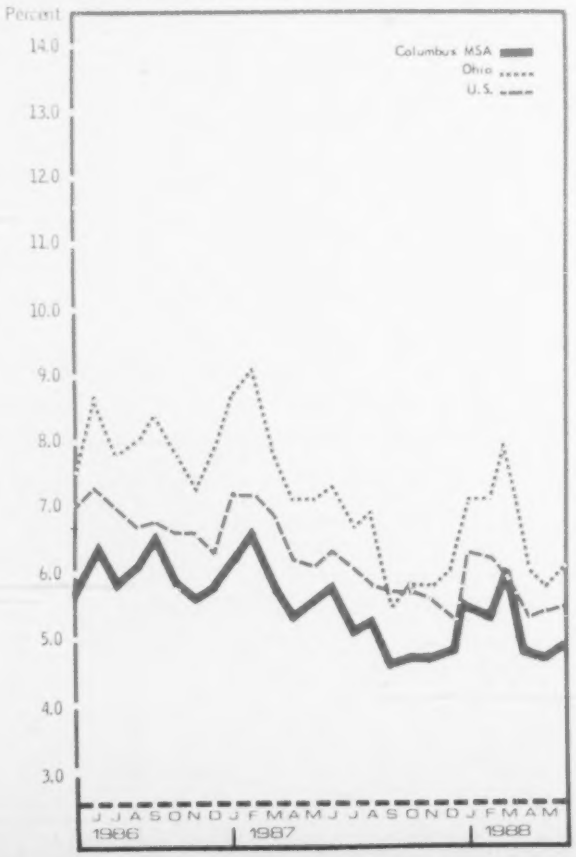
Nonagricultural wage and salary employment in the Columbus metropolitan area dropped 6,900 from the June level, to 678,100 in July 1988. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-9,900) overshadowed moderate gains in construction (+1,200) and finance, insurance, and real estate (+800). Manufacturing employment declined 400 over the month with scattered losses in durable-goods industries, especially stone, clay, and glass products. Production worker average hourly earnings, $11.56 per hour, were slightly lower in July. Their average workweek was .1 hours shorter, at 41.4 hours.

Total nonfarm payroll employment rose 25,200 between July 1987 and July 1988. Expansion in the nonmanufacturing sector netted 98.8 percent of the gain. Primary growth industries were services and retail trade. Marked improvements also occurred in construction, finance, insurance, and real estate, and government. The manufacturing labor force increased 300 over the year, to 102,800. Scattered gains in nondurable and durable goods outweighed reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

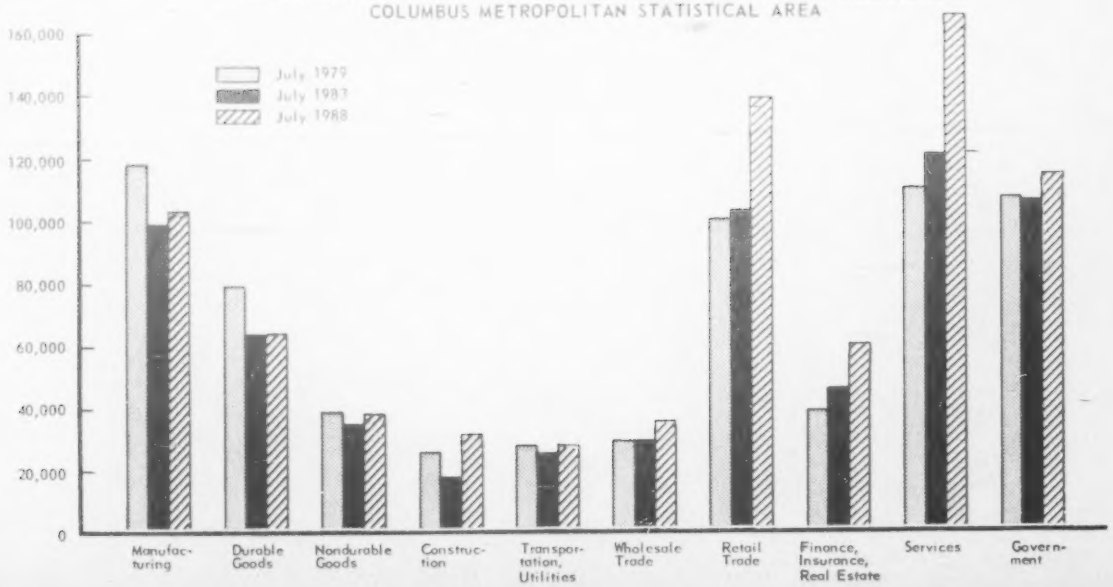


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
699.6	659.1	40.4	5.8	June	660.2	103.2	68.5	473.10	41.5	11.40
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.2	677.3	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
INA	INA	INA	INA	July	678.1	102.8	66.9	478.58	41.4	11.56

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	678.1	685.0	652.9	- 6.9	25.2
MANUFACTURING	102.8	103.2	102.5	- .4	.3
Durable Goods[e]	64.4	64.7	65.2	- .3	- .8
Stone, clay, and glass products	9.8	10.0	10.0	- .3	- .2
Glass and glassware, pressed or blown.	3.5	3.8	3.5	- .3	.1
Fabricated metal products	9.4	9.4	9.2	.0	.2
Fabricated structural metal products	2.8	2.7	2.9	.1	- .1
Machinery, except electrical	9.1	9.2	9.0	- .1	.0
Electric and electronic equipment	11.0	11.0	10.9	.0	.1
Transportation equipment	13.2	13.1	14.4	.0	- 1.2
Instruments and related products	4.1	4.1	4.0	- .1	.1
Nondurable Goods[f]	38.4	38.5	37.3	.0	1.1
Food and kindred products	10.6	10.6	10.4	.0	.2
Printing and publishing	10.4	10.4	10.1	.0	.3
Chemicals and allied products	6.9	6.8	7.0	.1	.0
Rubber and misc. plastics products	5.7	5.8	5.1	- .1	.6
NONMANUFACTURING[g]	575.3	581.8	550.4	- 6.5	24.9
CONSTRUCTION	31.7	30.4	29.3	1.2	2.4
TRANSPORTATION AND PUBLIC UTILITIES	28.7	28.5	27.9	.2	.8
Trucking and warehousing	12.0	11.8	11.6	.1	.4
Communication, electric, gas services	11.8	11.7	11.7	.1	.1
WHOLESALE TRADE	35.6	35.4	34.1	.2	1.5
Wholesale trade-durable goods	23.0	22.9	22.1	.1	.9
RETAIL TRADE	139.0	138.7	132.3	.3	6.7
General merchandise stores	22.4	22.5	21.2	- .1	1.3
FINANCE, INSURANCE, AND REAL ESTATE	60.1	59.3	57.8	.8	2.2
Banking	12.2	12.0	11.7	.2	.5
Insurance carriers	23.4	23.3	22.8	.2	.6
SERVICES	164.9	164.4	155.9	.5	9.0
Business services	38.2	37.6	35.1	.6	3.1
Health services	41.4	41.2	40.0	.3	1.4
Hospitals	18.3	18.1	17.8	.2	.5
GOVERNMENT	114.4	124.1	112.2	- 9.7	2.2
Federal government	15.0	15.1	15.9	- .1	- .8
State government	50.2	56.2	48.8	- 6.0	1.5
State government education[1]	18.6	24.5	18.1	- 5.9	.5
State government, except education	31.6	31.6	30.7	- .1	.9
Local government	49.1	52.8	47.6	- 3.7	1.6
Local government education	27.8	31.8	26.3	- 4.0	1.5
Local government, except education	21.3	21.0	21.2	.4	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

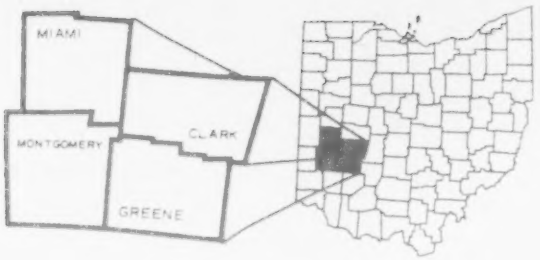
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$478.58	$480.16	$474.12	41.4	41.5	41.3	$11.56	$11.57	$11.48
Durable Goods[e]	487.69	490.05	486.04	41.4	41.6	41.4	11.78	11.78	11.74
Stone, clay, and glass products	481.14	485.03	485.07	40.5	41.0	40.9	11.88	11.83	11.86
Glass and glassware, pressed or blown.	439.88	425.02	438.98	39.7	39.1	39.3	11.08	10.87	11.17
Fabricated metal products	500.53	529.61	504.30	40.3	41.8	41.0	12.42	12.67	12.30
Fabricated structural metal products	453.87	453.02	473.76	41.0	41.6	42.3	11.07	10.89	11.20
Machinery, except electrical	472.38	430.54	451.68	43.1	40.2	41.9	10.96	10.71	10.78
Electric and electronic equipment	458.38	460.53	450.40	41.0	40.9	40.0	11.18	11.26	11.26
Transportation equipment	561.56	584.05	588.12	41.2	42.6	43.5	13.63	13.71	13.52
Instruments and related products	404.68	411.93	438.27	38.8	39.8	41.9	10.43	10.35	10.46
Nondurable Goods[f]	460.78	458.97	450.87	41.4	41.2	41.1	11.13	11.14	10.97
Food and kindred products	451.68	447.37	471.16	41.9	41.5	42.6	10.78	10.78	11.06
Printing and publishing	542.70	541.75	514.56	39.7	39.4	39.4	13.67	13.75	13.06
Chemicals and allied products	534.47	535.19	507.73	41.4	41.2	40.2	12.91	12.99	12.63
Rubber and misc. plastics products	362.88	365.91	340.31	42.0	42.4	41.1	8.64	8.63	8.28
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	603.96	586.05	580.18	42.0	41.3	41.8	14.38	14.19	13.88
WHOLESALE TRADE	348.35	342.62	350.35	37.7	37.0	38.5	9.24	9.26	9.10
RETAIL TRADE[h]	183.23	181.10	175.03	28.9	28.7	28.6	6.34	6.31	6.12
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	263.25	267.99	259.28	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	349.46	337.55	329.35	34.6	34.2	34.2	10.10	9.87	9.63

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	5,866	4,339	5,370
Active File of Job Seekers	28,916	29,587	30,812
Referrals to Jobs	2,710	2,976	2,706
Placements	614	825	1,213
Job Openings Received	1,411	1,310	2,362
Job Openings Unfilled	2,444	2,377	4,264
Unemployment Insurance Program			
Initial Claims	4,227	3,324	6,317
Continued Claims	29,153	31,384	41,159
First Payments	1,962	2,063	2,149
Last Payments	602	757	752
Weeks Compensated	23,857	28,421	35,144
Benefits Paid	$3,558,339	$4,361,842	$5,337,421
Average Weekly Payment	$151.99	$156.96	$155.08

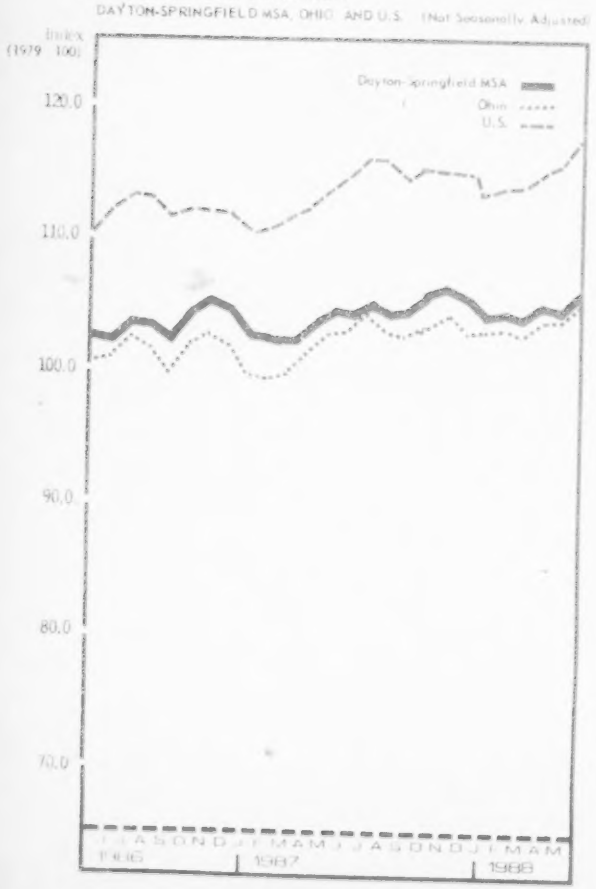
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



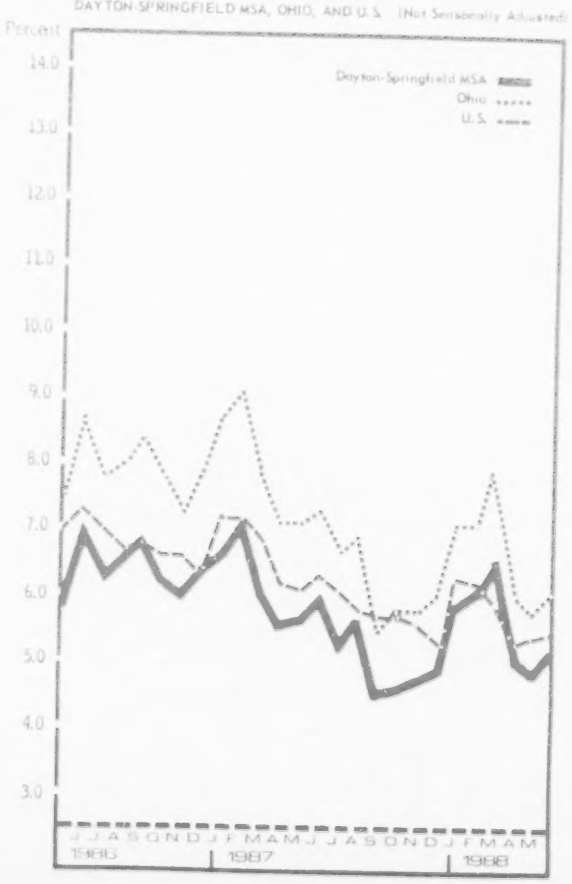
In the Dayton-Springfield metropolitan area, total nonfarm payroll employment declined 5,700 from the June level, to 433,300 in July 1988. The loss was concentrated in the nonmanufacturing sector. Seasonal layoffs in nonteaching personnel in state and local schools and colleges (-6,600) negated a moderate increase in construction. Manufacturing employment added 100 jobs in July as gains in nonelectrical machinery and food and kindred products more than offset a reduction in electric and electronic equipment. Factory production workers earned an average of $12.54 per hour, down $.17 from last month. Their average workweek, 42.9 hours, was 1.1 hours shorter.

Nonagricultural wage and salary employment advanced 9,500 between July 1987 and July 1988. Primary growth sectors were services, retail trade, and construction. Local government education declined 1,000 during the period. Manufacturing employment was unchanged from a year ago, at 103,600. Improvement in nonelectrical machinery offset reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



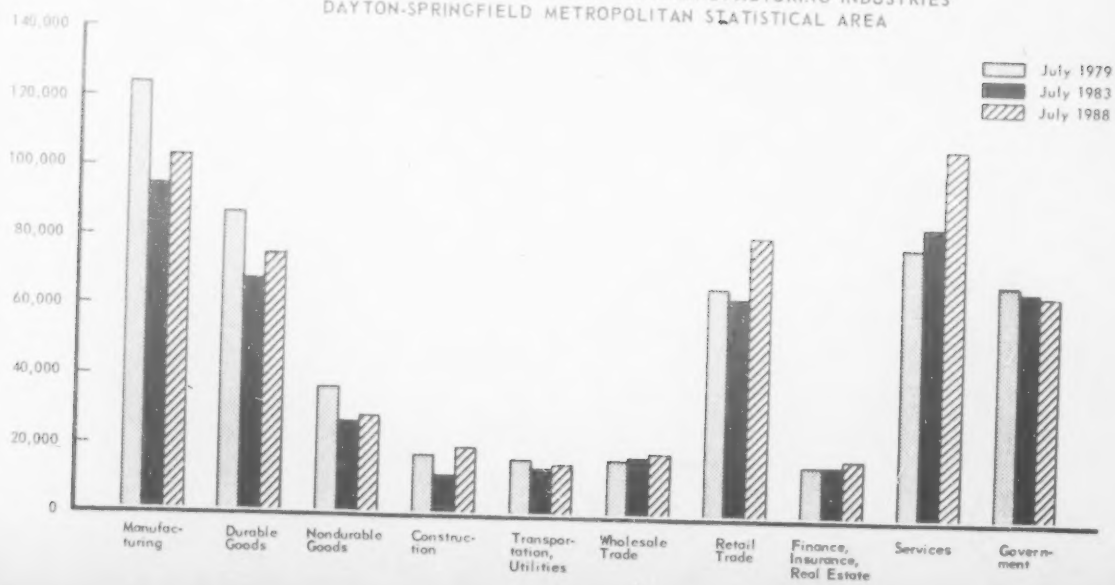
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
464.9	436.5	28.4	6.1	June	428.7	104.2	67.0	502.18	42.2	11.90
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.7	443.4	24.3	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
INA	INA	INA	INA	July	433.3	103.6	66.3	537.97	42.9	12.54

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	433.3	439.0	423.8	- 5.7	9.5
MANUFACTURING	103.6	103.5	103.6	.1	.0
Durable Goods[e]	74.9	74.9	74.8	.0	.1
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	31.0	30.8	30.4	.2	.7
Metalworking machinery	6.6	6.6	6.4	.0	.2
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.6	5.8	5.9	- .2	- .3
Electrical industrial apparatus	3.4	3.5	3.6	- .1	- .2
Transportation equipment	20.2	20.2	20.9	.0	- .6
Nondurable Goods[f]	28.7	28.6	28.8	.0	- .1
Food and kindred products	2.8	2.6	2.8	.1	.0
Paper and allied products	6.1	6.0	5.9	.0	.2
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.7	7.7	8.0	.0	- .3
NONMANUFACTURING[g]	329.7	335.5	320.2	- 5.8	9.5
CONSTRUCTION	19.8	18.9	17.7	.9	2.1
TRANSPORTATION AND PUBLIC UTILITIES	15.8	15.8	15.6	.1	.2
Communication, electric, gas services	5.3	5.4	5.5	.0	- .2
WHOLESALE TRADE	19.3	19.1	18.5	.2	.7
Wholesale trade-durable goods	12.7	12.6	12.3	.1	.4
RETAIL TRADE	81.9	81.8	78.3	.1	3.5
General merchandise stores	12.0	12.0	11.7	.0	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.5	18.4	18.2	.0	.2
Banking	4.3	4.2	4.3	.0	- .1
Credit agencies other than banks	4.8	4.9	4.7	- .1	.1
Insurance carriers	2.8	2.8	3.0	.0	- .2
SERVICES	107.9	108.6	103.9	- .7	4.0
Business services	27.5	27.4	26.1	.1	1.4
Health services	36.5	36.3	36.0	.2	.5
Hospitals	18.6	18.5	18.8	.1	- .1
Educational services	5.5	6.5	5.3	- .9	.3
GOVERNMENT	66.1	72.5	67.4	- 6.4	- 1.3
Federal government	27.9	27.9	28.4	.0	- .5
State government	6.6	7.6	6.5	- 1.0	.1
State government education[h]	3.6	4.6	3.5	- 1.0	.1
State government, except education	3.0	3.0	3.0	.0	.0
Local government	31.7	37.1	32.5	- 5.4	- .8
Local government education	16.3	21.8	17.2	- 5.6	- 1.0
Local government, except education	15.4	15.3	15.3	.2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

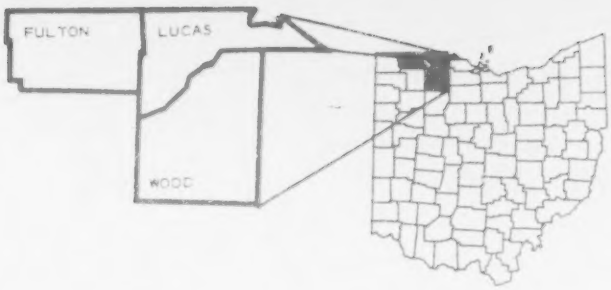
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$537.97	$559.24	$492.19	42.9	44.0	41.5	$12.54	$12.71	$11.86
Durable Goods[e]	549.07	569.70	502.11	43.2	44.3	41.6	12.71	12.86	12.07
Fabricated metal products	386.68	398.27	371.60	41.4	42.1	40.0	9.34	9.46	9.29
Machinery, except electrical	586.04	608.85	548.70	43.8	45.1	42.7	13.38	13.50	12.85
Metalworking machinery	547.98	564.10	532.84	45.4	46.2	44.0	12.07	12.21	12.11
General industrial machinery	450.71	452.62	456.22	42.4	42.7	42.4	10.63	10.60	10.76
Electric and electronic equipment	437.74	451.00	410.28	43.6	44.0	43.6	10.04	10.25	9.41
Electrical industrial apparatus	527.29	541.70	456.28	45.3	46.9	44.0	11.64	11.55	10.37
Transportation equipment	684.20	716.87	584.86	44.0	45.4	40.7	15.55	15.79	14.37
Nondurable Goods[f]	505.20	528.84	460.43	42.1	43.1	41.0	12.00	12.27	11.23
Food and kindred products	346.45	338.96	362.23	41.0	40.4	43.8	8.45	8.39	8.27
Paper and allied products	500.86	540.76	492.94	44.6	46.9	45.6	11.23	11.53	10.81
Printing and publishing	450.47	456.27	410.67	39.9	40.2	37.3	11.29	11.35	11.01
Rubber and misc. plastics products	645.63	696.00	554.13	41.6	43.5	39.3	15.52	16.00	14.10
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	552.02	537.74	552.90	40.8	40.1	41.2	13.53	13.41	13.42
WHOLESALE TRADE	402.59	411.46	429.00	39.9	40.3	42.1	10.09	10.21	10.19
RETAIL TRADE[h]	164.74	163.02	160.18	28.7	28.5	28.4	5.74	5.72	5.64
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	364.91	367.05	364.23	34.2	34.4	34.2	10.67	10.67	10.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,386	2,336	2,758
Active File of Job Seekers	15,284	16,724	21,782
Referrals to Jobs	2,118	1,576	4,027
Placements	1,281	328	3,015
Job Openings Received	1,774	1,263	3,656
Job Openings Unfilled	1,944	1,762	1,585
Unemployment Insurance Program			
Initial Claims	4,140	2,557	4,072
Continued Claims	20,268	20,240	27,342
First Payments	1,296	1,067	1,705
Last Payments	373	440	562
Weeks Compensated	16,098	17,632	23,225
Benefits Paid	$2,229,036	$2,500,589	$3,156,631
Average Weekly Payment	$140.91	$144.82	$138.84

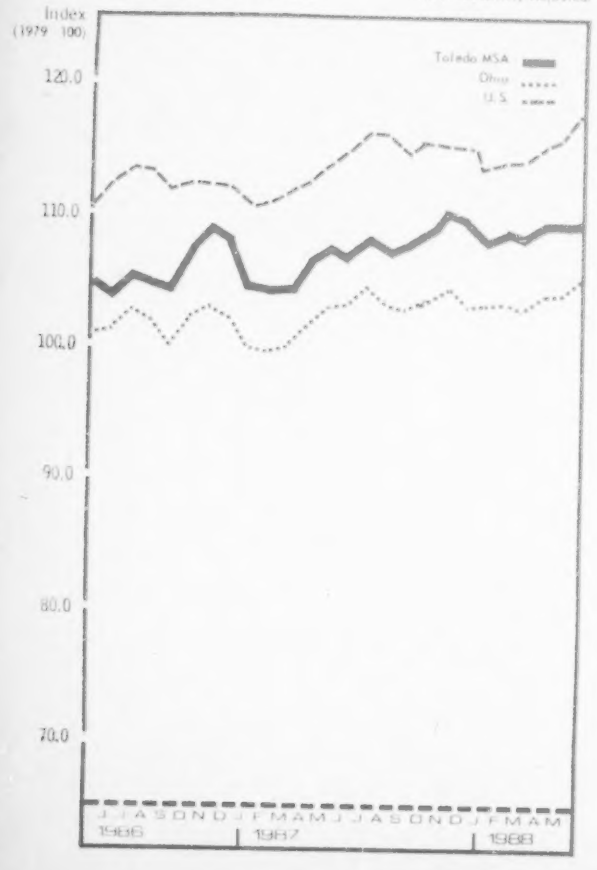
TOLEDO METROPOLITAN STATISTICAL AREA



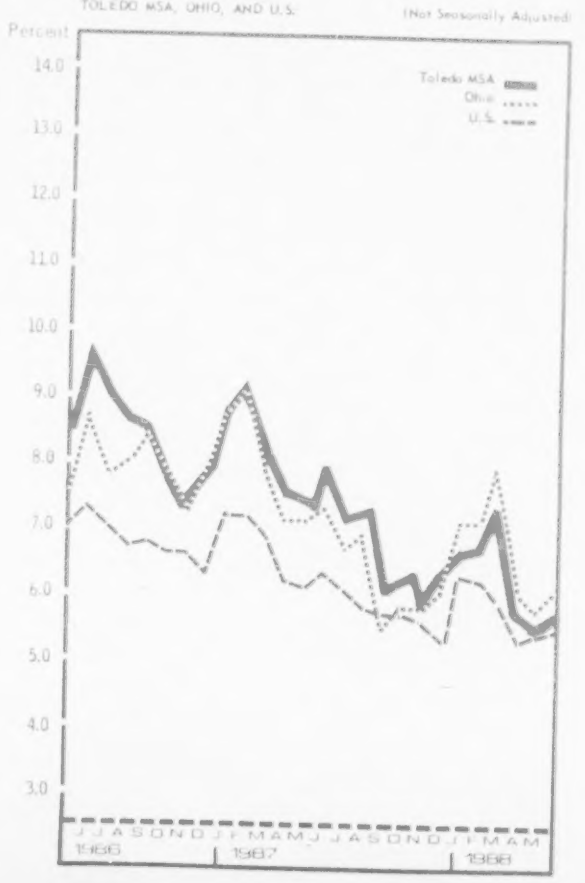
Nonagricultural wage and salary employment in the Toledo metropolitan area decreased 1,800 from June, to 288,900 in July 1988. The nonmanufacturing sector netted 88.9 percent of the loss. Moderate improvement in construction was negated by seasonal losses in nonteaching personnel in state and local schools and colleges. The manufacturing labor force lost 200 workers in July due to scattered reductions in durable-goods industries. Factory production worker average hourly earnings dropped $.24, to $12.93 per hour. Their average workweek, 42.2 hours, was 1.2 hours shorter than last month.

Between July 1987 and July 1988, total nonfarm payroll employment rose 11,800. Significant expansion occurred in services (+4,300), retail trade (+3,000), and construction (+2,000). Manufacturing employment advanced 1,800 over the year. Primary growth sectors were stone, clay, and glass products, rubber and miscellaneous plastics products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

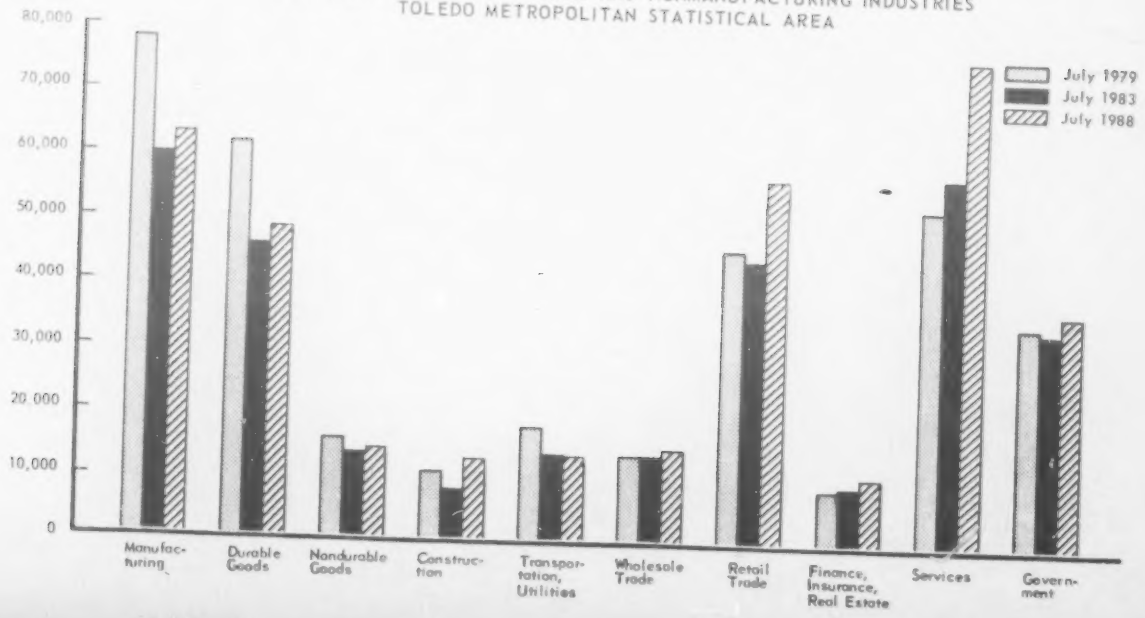


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1982	244.4	60.2	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1983	245.3	59.6	INA	INA	INA	INA
296.5	272.3	24.3	8.2	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
307.1	281.2	25.8	8.4	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.9	286.4	22.5	7.3	1986	272.0	63.4	44.2	527.03	42.4	12.43
				1987	279.4	62.1	43.6	540.60	42.5	12.72
309.9	285.5	24.4	7.9	June	278.5	62.0	43.7	529.19	41.8	12.66
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
311.0	293.5	17.6	5.7	June	290.7	63.6	45.6	571.58	43.4	13.17
INA	INA	INA	INA	July	288.9	63.4	45.4	545.65	42.2	12.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	288.9	290.7	277.2	- 1.8	11.8
MANUFACTURING	63.4	63.6	61.6	- .2	1.8
Durable Goods[e]	48.8	49.1	47.3	- .3	1.5
Stone, clay, and glass products	8.4	- 8.4	7.9	.0	.5
Primary metal industries	3.4	3.5	3.2	- .1	.2
Fabricated metal products	8.0	8.0	7.6	- .1	.4
Metal forgings and stampings	3.5	3.5	3.4	.0	.1
Machinery, except electrical	6.2	6.2	5.9	.0	.3
Electric and electronic equipment	2.1	2.2	2.5	- .1	- .4
Transportation equipment	15.8	15.8	15.9	.0	- .1
Motor vehicles and equipment	14.8	14.7	15.0	.0	- .2
Nondurable Goods[f]	14.6	14.5	14.3	.1	.3
Food and kindred products	3.9	3.8	3.8	.1	.0
Rubber and misc. plastics products	3.3	3.2	2.9	.1	.5
NONMANUFACTURING[g]	225.5	227.1	215.6	- 1.6	9.9
CONSTRUCTION	13.3	12.7	11.3	.6	2.0
TRANSPORTATION AND PUBLIC UTILITIES	14.0	13.8	13.9	.1	.0
Trucking and warehousing	5.5	5.4	5.4	.1	.1
Communication, electric, gas services	5.1	5.1	5.0	.0	.1
WHOLESALE TRADE	15.4	15.4	15.0	.0	.4
Wholesale trade-durable goods	10.1	10.0	10.0	.1	.1
RETAIL TRADE	57.3	57.4	54.3	- .1	3.0
General merchandise stores	7.4	7.4	7.4	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.3	11.3	11.5	.0	- .2
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.3	76.2	72.0	.1	4.3
Business services	16.4	16.0	15.0	.4	1.3
Health services	27.8	27.6	27.1	.2	.6
Hospitals	15.4	15.3	15.4	.1	.0
GOVERNMENT	37.6	40.0	37.4	- 2.4	.2
State government	12.6	13.1	12.3	- .5	.3
State government education[h]	8.4	8.9	8.2	- .5	.2
State government, except education	4.1	4.2	4.1	.0	.0
Local government	22.5	24.3	22.4	- 1.8	.0
Local government education	11.5	13.4	11.4	- 1.9	.1
Local government, except education	10.9	10.9	11.0	.1	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

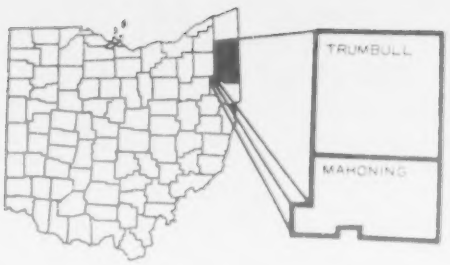
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$545.65	$571.58	$523.27	42.2	43.4	41.3	$12.93	$13.17	$12.67
Durable Goods[e]	565.48	598.75	542.75	42.2	43.8	41.4	13.40	13.67	13.11
Stone, clay, and glass products	507.67	494.86	505.93	40.1	39.4	40.9	12.66	12.56	12.37
Primary metal industries	459.41	520.98	456.92	41.5	45.5	41.5	11.07	11.45	11.01
Fabricated metal products	502.66	547.71	515.85	41.0	43.4	41.5	12.26	12.62	12.43
Metal forgings and stampings	599.24	694.93	615.90	41.1	45.9	43.1	14.58	15.14	14.29
Machinery, except electrical	502.38	508.13	487.41	41.9	42.7	42.2	11.99	11.90	11.55
Electric and electronic equipment	473.88	471.17	515.01	41.1	40.9	41.6	11.53	11.52	12.38
Transportation equipment	714.17	784.56	641.18	43.6	46.7	41.5	16.38	16.80	15.45
Motor vehicles and equipment	720.71	795.42	641.39	43.6	46.9	41.3	16.53	16.96	15.53
Nondurable Goods[f]	472.92	474.47	459.79	42.0	42.1	41.2	11.26	11.27	11.16
Food and kindred products	555.99	548.27	568.32	43.1	42.7	44.4	12.90	12.84	12.80
Rubber and misc. plastics products	349.84	359.97	316.29	42.2	42.6	39.0	8.29	8.45	8.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	619.70	601.13	622.87	42.3	41.4	42.2	14.65	14.52	14.76
WHOLESALE TRADE	381.79	377.71	357.78	38.8	38.7	37.9	9.84	9.76	9.44
RETAIL TRADE[h]	161.21	160.15	162.21	29.1	28.7	29.6	5.54	5.58	5.48

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,388	2,447	2,442
Active File of Job Seekers	17,469	18,549	18,035
Referrals to Jobs	1,523	1,814	2,663
Placements	576	341	754
Job Openings Received	906	826	1,379
Job Openings Unfilled	1,299	1,266	1,859
Unemployment Insurance Program			
Initial Claims	3,506	2,396	4,789
Continued Claims	16,476	16,969	28,063
First Payments	1,220	1,135	1,468
Last Payments	271	330	497
Weeks Compensated	13,292	14,572	21,451
Benefits Paid	$1,882,320	$2,132,368	$3,026,681
Average Weekly Payment	$145.15	$149.97	$144.12

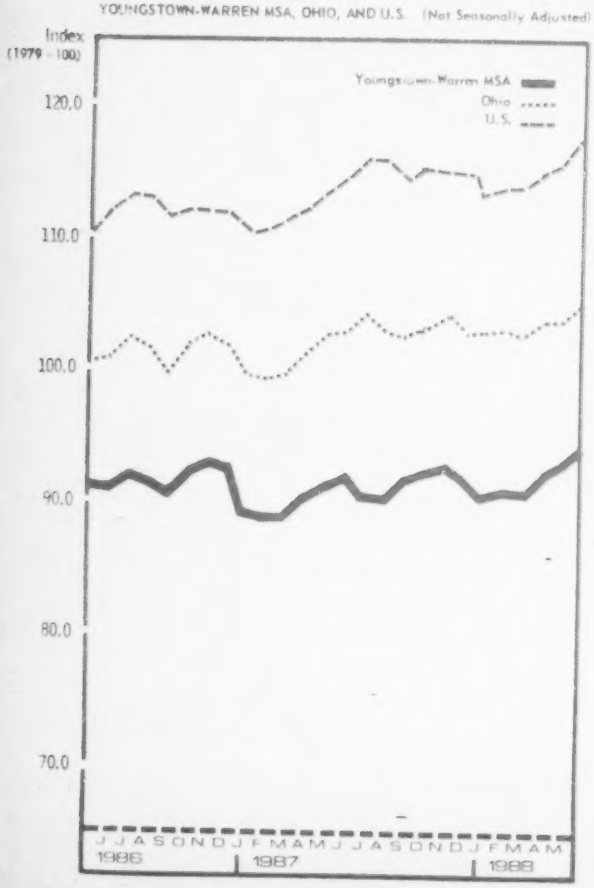
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



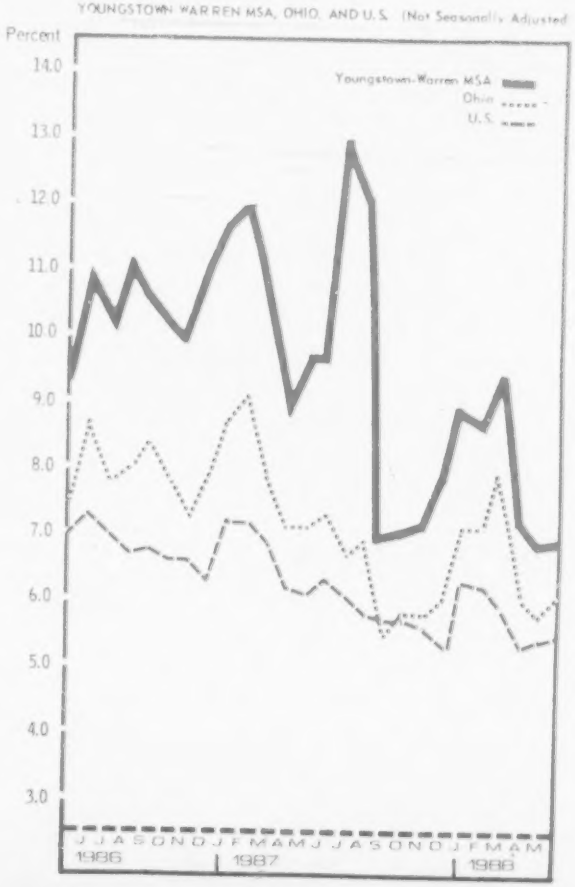
Total nonfarm payroll employment in the Youngstown-Warren metropolitan area was 3,800 below the June level, at 193,600 in July 1988. Reductions in primary metal industries and fabricated metal products helped lower manufacturing employment 2,100 over the month. The nonmanufacturing workforce declined 1,700 due to seasonal layoffs of nonteaching personnel in state and local schools and colleges. Factory production workers earned an average of $13.48 per hour, down $.12 from June. Their average workweek, 42.2 hours, was .6 hours shorter.

Nonagricultural wage and salary employment advanced 10,200 between July 1987 and July 1988. The nonmanufacturing sector contributed 53.9 percent of the improvement. Significant growth occurred in retail trade, services, and construction. Manufacturing employment increased 4,700. Model changeovers significantly reduced employment in transportation equipment last year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



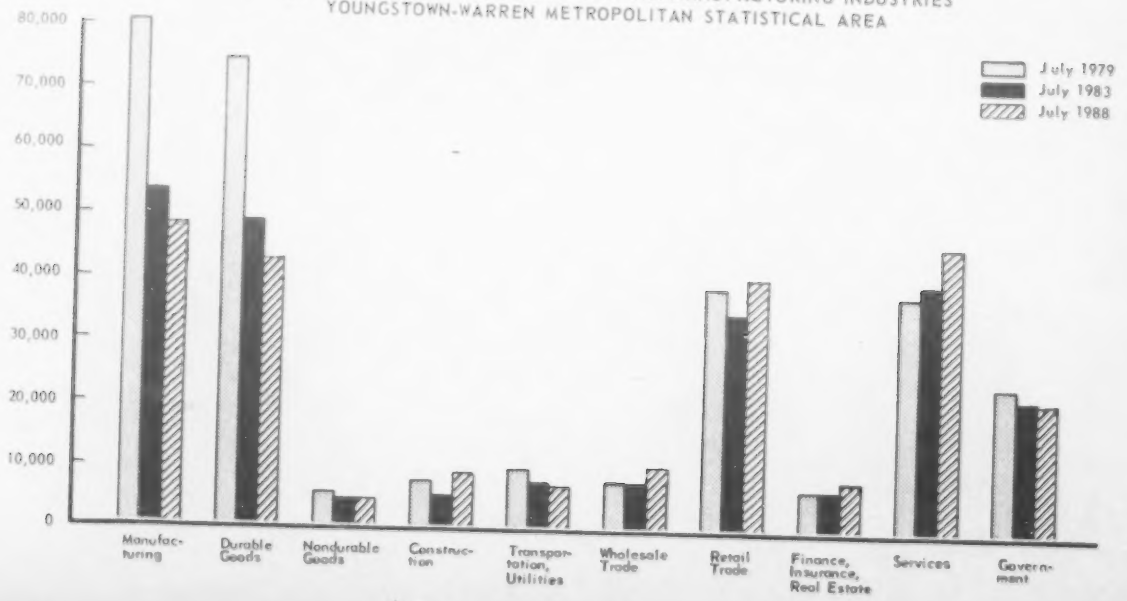
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
224.1	202.4	21.7	9.7	June	190.8	49.2	36.9	566.67	42.8	13.24
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.0	207.5	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
INA	INA	INA	INA	July	193.6	48.5	36.5	568.86	42.2	13.48

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	July 1988[b]	June 1988[c]	July 1987[c]	From Last Month	From Last Year
TOTAL	193.6	197.5	183.4	- 3.8	10.2
MANUFACTURING	48.5	50.6	43.8	- 2.1	4.7
Durable Goods[e]	43.2	45.3	38.5	- 2.2	4.6
Primary metal industries	17.8	19.2	17.4	- 1.4	.4
Blast furnace and basic steel products	5.6	5.6	5.6	- .1	- .1
Fabricated metal products	7.2	7.7	7.3	- .5	- .1
Machinery, except electrical	3.8	3.8	3.8	.0	.0
Electric and electronic equipment	2.1	2.2	2.3	.0	- .1
Transportation equipment	9.1	9.3	4.6	- .2	4.5
Nondurable Goods[f]	5.3	5.3	5.2	.1	.1
NONMANUFACTURING[g]	145.1	146.8	139.6	- 1.7	5.5
CONSTRUCTION	9.2	8.9	8.3	.3	.9
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.7	7.5	- .1	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	- .1
WHOLESALE TRADE	10.5	10.4	9.8	.1	.7
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.1
RETAIL TRADE	40.8	40.9	38.8	- .1	2.0
General merchandise stores	5.2	5.1	5.4	.1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.6	8.5	8.3	.1	.2
Banking	2.9	2.9	2.9	.0	.0
SERVICES	46.0	45.8	44.7	.2	1.2
Health services	20.0	19.8	19.6	.1	.4
Hospitals	10.3	10.2	10.2	.0	.1
GOVERNMENT	21.8	24.1	21.4	- 2.3	.4
State government	3.6	4.4	3.6	- .8	.1
State government education[1]	2.1	2.9	2.0	- .8	.1
State government, except education	1.6	1.5	1.6	.0	.0
Local government	16.0	17.5	15.8	- 1.5	.2
Local government education	9.4	11.0	9.3	- 1.6	.0
Local government, except education	6.6	6.5	6.4	.2	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

Youngstown - Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]	Jul. 1988[b]	Jun. 1988[c]	Jul. 1987[c]
MANUFACTURING	$568.86	$582.08	$541.80	42.2	42.8	42.0	$13.48	$13.60	$12.90
Durable Goods[e]	582.58	594.59	556.20	42.4	42.9	42.2	13.74	13.86	13.18
Primary metal industries	627.42	655.77	608.52	41.8	43.4	42.2	15.01	15.11	14.42
Blast furnace and basic steel products	627.00	627.91	607.47	45.6	45.6	44.7	13.75	13.77	13.59
Fabricated metal products	541.99	590.92	523.16	41.5	44.0	41.0	13.06	13.43	12.76
Machinery, except electrical	479.39	464.84	480.28	42.2	41.1	41.8	11.36	11.31	11.49
Electric and electronic equipment	454.90	453.61	434.32	40.4	41.2	39.7	11.26	11.01	10.94
Transportation equipment	653.30	620.00	631.58	44.9	42.7	45.8	14.55	14.52	13.79
Nondurable Goods[f]	431.33	441.74	419.52	40.5	41.4	40.3	10.65	10.67	10.41
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	563.70	540.54	558.55	40.7	39.6	40.8	13.85	13.65	13.69
WHOLESALE TRADE	360.30	355.89	341.00	38.7	38.6	38.1	9.31	9.22	8.95
RETAIL TRADE[h]	180.90	178.48	175.23	29.9	29.5	29.5	6.05	6.05	5.94

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1988	June 1988	July 1987
Employment Service Program			
New Applicants	2,495	2,114	2,746
Active File of Job Seekers	16,283	16,441	19,026
Referrals to Jobs	1,580	1,432	1,805
Placements	340	468	372
Job Openings Received	930	809	636
Job Openings Unfilled	1,477	1,031	664
Unemployment Insurance Program			
Initial Claims	4,231	2,639	12,542
Continued Claims	15,941	15,220	37,826
First Payments	1,669	826	1,969
Last Payments	244	316	441
Weeks Compensated	13,218	13,241	29,945
Benefits Paid	$1,846,011	$1,821,379	$4,667,565
Average Weekly Payment	$142.74	$140.54	$159.97

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	July 1988	June 1988	July 1987
New Applicants	38,482	40,409	44,514
Active File of Job Seekers	263,530	270,609	292,626
Counseling Interviews	1,173	1,410	1,218
Tests Administered	1,163	3,678	3,080
General Aptitude Tests	70	168	429
Proficiency Tests	241	460	518
Specific Aptitude Tests	650	1,202	532
Referrals to Job	31,082	32,914	32,426
Placements	9,816	7,524	12,915
[illegible]	16,228	15,074	20,364
[illegible]	27,172	24,256	23,787

Selected Unemployment Insurance Activities

	July 1988	June 1988	July 1987
[illegible]	51,819	40,272	79,012
[illegible]	$16,855	397,024	435,982
[illegible]	19,490	16,903	24,011
[illegible]	6,452	6,670	8,333
[illegible]	74,862	75,512	93,084
[illegible]	57,851	61,190	74,480
[illegible]	246,644	287,269	357,502
[illegible]	$36,051,763	$42,729,975	$51,775,703
[illegible]	$149.40	$152.24	$148.36
[illegible]	77,174	73,566	99,137
[illegible]	1.7	1.7	2.2
[illegible]	$51,966,913	$3,436,258	$71,318,012
[illegible]	200,528	200,060	196,496

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